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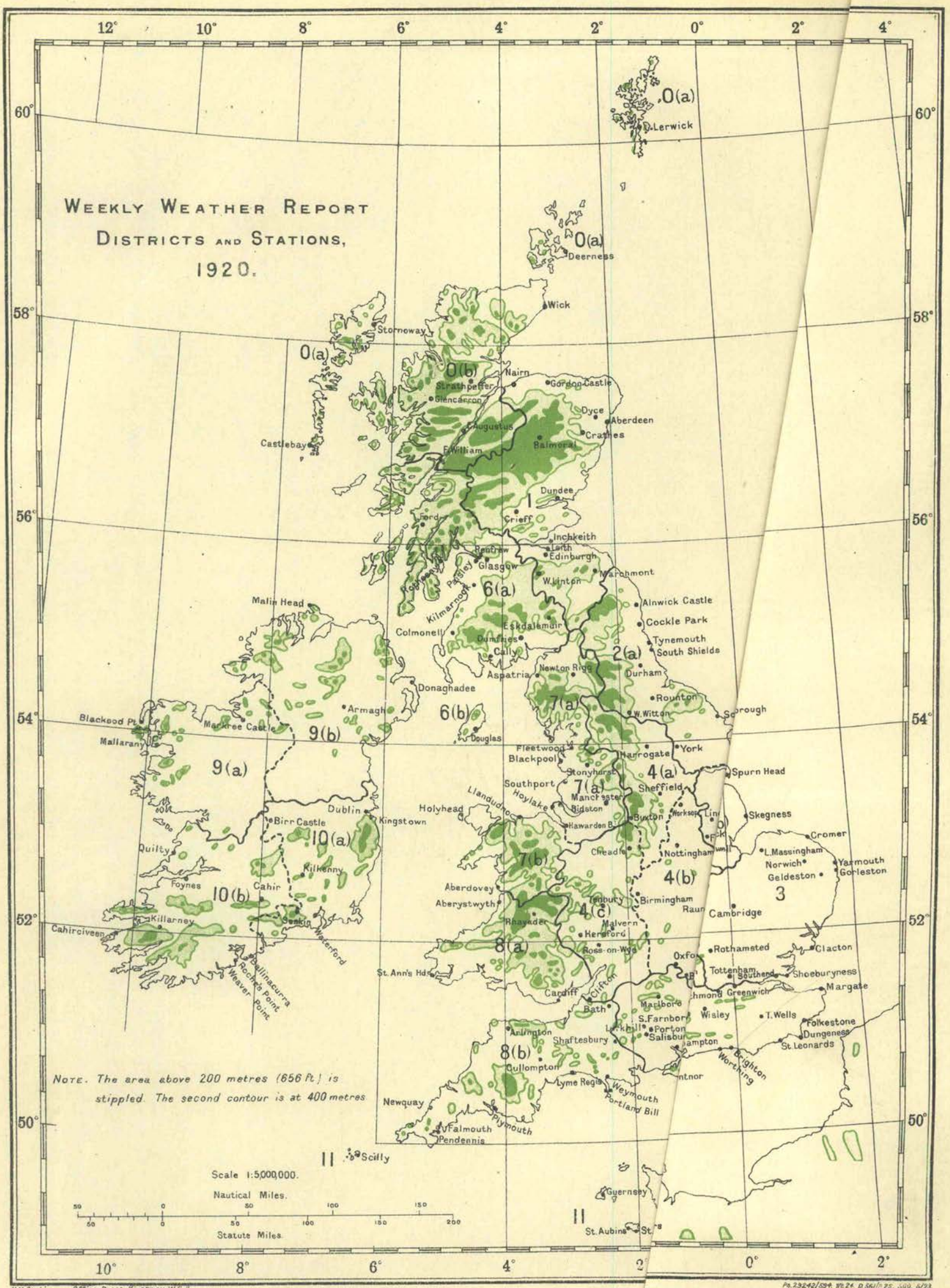

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1920.

PART I.

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THE

WEEKLY WEATHER REPORT

(VOL. XXXVII.—NEW SERIES).

Particulars of Temperature, Rainfall and Bright Sunshine for each week, with quarterly and annual summaries, and an annual table of weekly and progressive values.

Published by the Authority of the Meteorological Committee.

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BRITISH METEOROLOGICAL AND MAGNETIC YEAR BOOK, 1920.
PARTS I. & II.

CONTENTS.

PART I.

THE WEEKLY WEATHER REPORT.

Page.

FRONTISPIECE MAP SHOWING THE POSITIONS OF STATIONS INCLUDED IN THE WEEKLY WEATHER REPORT *to face Title.*

PREFACE iii

GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES ... ... *(separately paged)* i–iv

WEEKLY WEATHER REPORTS 1–208

APPENDICES :

I.—District Summaries of the rain-days, rainfall, mean temperature, and bright sunshine in each quarter and in the whole year for each lustrum of the period 1881-1920, and for the individual years of the period 1878-1920 209–228

II.—Weekly and Progressive Values for 1920 of the different elements, namely :—

Rain-days 229

Rainfall 230

Accumulated Temperature above 42° F. 231

Accumulated Temperature below 42° F. 232

Bright Sunshine—Duration 233

Bright Sunshine—Percentage 234

PART II.

THE MONTHLY WEATHER REPORT.

Issued as a Supplement to the Weekly Weather Report.

PREFACE, LIST OF STATIONS, AND NAMES OF VOLUNTARY OBSERVERS ii

CORRECTIONS TO MONTHLY WEATHER REPORTS ... ... xi–xii

MONTHLY WEATHER REPORTS 1–167

ANNUAL SUMMARY, WITH SUMMARY OF GALES AND WIND AS RECORDED AT ANEMOGRAPH STATIONS DURING 1920 175

PREFACE.

For the convenience of libraries and others the various serial statistical publications of the Meteorological Office have been grouped since 1911 under the general title British Meteorological and Magnetic Year-Book. The Year-Book is in five parts :—

Part I.—The Weekly Weather Report. Issued weekly. Appendix I issued quarterly, Appendix II, annually.

Part II.—The Monthly Weather Report. Issued monthly on the 27th of each month, with a summary issued annually.

Part III.—Section I. Daily readings at stations of the First and Second Orders. Issued in monthly parts.

Section 2. The Geophysical Journal of the Observatories of the Meteorological Office. Issued in Monthly Parts.

Part IV.—Hourly Values from Autographic Records. Published annually.

Part V.—Réseau Mondial. Monthly Values for Stations distributed over the Globe. Published in Yearly Volumes.

THE WEEKLY WEATHER REPORT.

The first number of the Weekly Weather Report was that for the first week of February, 1878. There were four pages royal 8vo. A new series commenced in 1884 when the page was enlarged to its present size. A short history of the Report is given in the Introduction for 1916 ; for further information reference may be made to the Annual Report of the Meteorological Committee for the year ended 31st March, 1913, p.37.

The Report formerly consisted of two sections. Section I. containing mean values of temperature, rainfall and sunshine for districts and for stations in the British Isles, and summaries of the autographic records of wind, is represented by the present volume. The publication of Section II. which consisted of daily weather charts of the North Atlantic and surrounding continents was suspended in August, 1914.

A Guide to the Tables contained in the Weekly Issues of the Report is published separately. The explanation of the system adopted in dealing with District Values will be found in the Guide.

The stations used in the preparation of the Report, and the districts into which the British Isles are divided for meterological purposes are shown in the Frontispiece Map. Particulars of the stations will be found in the Introduction to the Monthly Weather Report.

The following changes in the list of stations took place during the year :—

Fort Augustus. Observations were resumed, commencing with the 18th week.

Aberdovey. Observations were resumed, commencing with the 14th week.

Cally. Observations were discontinued after the 15th week.

Renfrew. Observations were utilised from the 29th week.

The termination of the observations at Wilton House, Salisbury, at the end of the year, is also to be noted.

The following notes refer to the anemographs utilised for the wind analysis in Tables II. and V. (*cf.* Monthly Weather Report, Annual Summary, 1920, p. 195).

Aberdeen. The Dines P.T. Anemometer was dismounted on February 5th, 1920. Since that date the information for Table V. has been obtained from the Robinson Cup Anemometer.

Gorleston.—A Dines P.T. Anemometer with direction recorder was installed in May, 1920. Data are printed from 20th June, onwards.

Butler's Cross.—The anemometer at this station was dismounted in April, 1920, and removed to Larkhill. The " building " on which it now stands is an ancient tumulus. Data for Larkhill are given from the 48th week onwards.

Holyhead —The Robinson Cup Anemometer was under repair from 12th January to 7th July. Data from the P.T. Anemograph were utilised for Table II. during this period.

Scilly.—The velocity portion of the Robinson Cup Anemograph went out of action on the 27th April, after which the data in Table II. were derived by taking the velocities from the Dines Pressure Tube Anemometer. This latter Instrument is now known to have been defective and the figures printed for those months in Table II. and for the whole year in Table V. are therefore unreliable.

The anemographs at Spurn Head and South Farnborough were out of action during the whole year.

All through 1920 the station representing England E. in the wind-component table (Table II) was Shoeburyness, no anemograph with direction-recorder being available at Yarmouth or Gorleston until late in the year.

The following Table gives the district value stations utilised in 1920.

DISTRICT-VALUE STATIONS, 1920.

District.	Temperature and Rainfall.	Sunshine.	Pressure.
0	Lerwick, Stornoway, Wick Strathpeffer, Glencarron, Fort Augustus, Fort William... ...	Deerness, Stornoway	Lerwick, Stornoway, Castlebay, Wick.
1	Nairn, Gordon Castle, Aberdeen, Balmoral, Crieff Leith, West Linton, Marchmont.	Crathes, Nairn, Aberdeen, Dundee, Marchmont, Edinburgh.	Nairn, Aberdeen, Leith
2	Alnwick, Tynewouth, Durham, Rounton, Scarborough, York, Spurn Hd., Lincoln, Fulbeck.	Cockle Park, Durham, Scarborough, York, Fulbeck, Skegness.	Tynemouth, Spurn Head
3	Cromer, Little Massingham, Yarmouth, Norwich, Geldeston, Cambridge, Clacton-on-Sea, Rothamsted, Tottenham,	Cromer, Little Massingham, Yarmouth, Geldeston Cambridge, Clacton-on-Sea, Rothamsted, Tottenham.	Yarmouth, Clacton-on-Sea.
4	Harrogate, Worksop, Nottingham, Birmingham, Raunds, Oxford, Cheadle, Tenbury, Hereford, Clifton.	Harrogate, Sheffield, Worksop, Nottingham, Birmingham, Oxford, Ross on Wye, Clifton.	Nottingham, Benson.
5	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Salisbury, Tunbridge Wells, Dungeness, St. Leonards, Southampton, Ventnor.	Richmond (Kew Obs.), Marlborough, Margate, Wisley, Worthing, Tunbridge Wells, Folkestone, St. Leonards, Southampton, Ventnor.	Dungeness, Richmond (Kew Obs.).
6	Ford, Glasgow Obs., Rothesay, Kilmarnock, Colmonell, Dumfries, Cally, Douglas.	Glasgow Obs., Douglas	Glasgow (Springburn Pk.), or Renfrew, Eskdalemuir.
7	Aspatria, Newton Rigg, Stonyhurst, Blackpool-Southport*, Liverpool, Hawarden Br., Manchester (Whit. Pk.), Llandudno, Holyhead.	Hoylake, Aspatria, Newton Rigg, Stonyhurst, Blackpool-Southport*, Llandudno, Aberdovey.	Liverpool, Holyhead.
8	Rhayader, Pembroke, Cardiff, Bath, Shaftesbury Arlington, Cullompton, Portland, Plymouth, Falmouth.	Aberystwyth, Rhayader, Pembroke, Bath, Cullompton, Plymouth, Falmouth, Newquay.	Pembroke, Portland.
9	Malin Hd., Blacksod Point, Markree Castle, Birr Castle, Armagh, Donaghadee.	Markree Castle, Armagh	Malin Head, Blacksod Point, Donaghadee.
10	Dublin (City), Kilkenny, Waterford, Birr Castle, Foynes, Cahir, Killarney, Cahirciveen (Val. Obs.), Roches Pt.	Dublin (Phœnix Park), Birr Castle, Cahirciveen (Val. Obs.), Ballinacurra.	Cahirciveen (Val. Obs.) Roches Point, Birr Castle.
11	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey, Guernsey (Villa Carey)	Scilly, Jersey.

* The average of Blackpool and Southport readings is taken as if referring to a single station.

The principal changes in the list of District Value Stations were in consequence of the resumption of observations which had lapsed during the war period.

TEMPERATURE AND RAINFALL.

Additions :—District 0. Fort Augustus (bringing the number of stations from six to seven).

Substitution :—District 4. Hereford (in place of Ross-on-Wye).

Omission :—District 6. Cally (after the 15th week, bringing the number of stations from eight to seven).

Note.—Renfrew took the place of Cally in Table IV. but was not taken as a District Value Station at that time. In 1921, when the reports from Glasgow Observatory lapsed, Renfrew did become a D.V. station for temperature and rainfall.

SUNSHINE.

Additions :—District 7. Aberdovey (bringing the number of stations from six to seven).
District 8. Bath (bringing the number of stations from seven to eight).

PRESSURE

Substitution :—District 6. Renfrew (in place of Glasgow, Springburn Park).

APPENDICES.

Appendix I. shows for each quarter and for the whole year (1) the number of rain-days, (2) the total rainfall and its percentage of the normal, (3) the mean temperature and its difference from the normal and (4) the duration of bright sunshine and its percentage of the normal.

The year 1920 being the last of a decade, the data for the individual years of the whole period 1878–1920 have been reproduced, as well as the means for five-year periods, and the normals for the 35 years 1881–1915. Notes on the tables are issued as part of the appendix.

Appendix II. contains a résumé of the District Values for the weeks of the year. It is prepared wth a view to discussion of the influence of weather on crops or on the public health.

The Book of Normals.—The normal values of some of the more important meteorological elements have been published from time to time in Appendices to this Report. The last of the series was Appendix IV., 1913, in which normals for periods ending 1910, were set out. "The Book of Normals of Meteorological Elements for the British Isles for periods ending 1915," is being issued in the more convenient form of an octavo volume. Section I. contains monthly normals for stations of Temperature, Rainfall and Sunshine, Section II. is devoted to Weekly, Monthly, Quarterly and Seasonal Normals for Districts, and Section III. to maps of the normal distribution of Temperature, Rainfall and Sunshine for the British Isles.

Meteorological Office,
London, S.W. 7,
17th July, 1923.

G. C. SIMPSON,
Director.

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WEEKLY WEATHER REPORT, 1920.

GUIDE TO THE TABLES CONTAINED IN THE WEEKLY ISSUES.

The first page contains a digest of the whole information for the week as much as possible in words and as little as possible in figures. It begins with a general summary in words and then a summary of wind components, based upon the records of anemometers, is followed by a table showing for the Districts into which the Kingdom is divided, the character of the week for warmth, rainfall and sunshine. The numerical summary for each District is given on the fourth page. The summaries are based on the information for the individual stations set out on the two inner pages.

Table II. Wind Components.

This table gives the reader an idea of the character of the weather of the week as regards the frequency of northerly, southerly, easterly or westerly winds, information which is frequently required, especially by medical officers, when the conditions favourable to warmth, rainfall and sunshine are under consideration.

The table gives the frequency of occurrence and the mean value for the week of the components of wind as recorded at Deerness (Scotland, N.), Edinburgh, Shoeburyness (England, E.), Kew Observatory, Richmond (London), Holyhead (North Wales), Scilly (England, S.W.), Kingstown (Dublin) and Valencia Observatory, Cahirciveen (Ireland, S.W.).

The strength of the wind at Edinburgh is measured by a Dines tube-anemograph, at the other stations by cup-anemographs of the Robinson pattern. Particulars as to the heights at which the anemometers are exposed will be found in Table V. The records obtained are tabulated hourly ; directions are given* to the nearest 10°, and the values of the wind components are worked out daily for the four hours centering at 3h., 9h., 15h. and 21h. Each result is taken as representative of a quarter of a day, and the number of times a component occurs is entered as its "frequency." The frequency of calm is obtained similarly. Direction is not tabulated when the speed of the wind is less than 1·6 metres per second, and winds of less than that speed are counted as "calm."

It should be noticed that if the mean direction for the hour is tabulated as E. or W. no North or South component is entered. Accordingly, the sum of the frequencies of North and South components and of calms is not always equal to 28.

Table III. Warmth, Rainfall and Sunshine. Comparison with Normal.

(The Classification is based upon the Values for each District published in Table VI. of each Weekly Issue.)

Warmth.—The week's warmth is called **unusual** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very unusual** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **deficient** if it is so much below the normal for the time of the year that it is only likely to occur, for that week, once in three years, and **very deficient** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.**

Rainfall.—The week's rainfall is called **heavy** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very heavy** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **light** if it is so much below the normal for the time of year that it is only likely to occur, for that week, once in three years, and **very light** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without rain, the word **nought** is inserted in the column for the district.

Sunshine.—The week's sunshine is called **abundant** if it is so much above the normal for the time of year that, in the long run, it is likely to occur, for that week, only once in three years, and it is marked **very abundant** if it is likely to occur, for that week, only once in twelve years ; similarly it is called **scanty** if it is so much below the normal for the time of year that it is likely to occur, for that week, only once in three years, and **very scanty** if it is likely to occur, for that week, only once in twelve years. Otherwise it is called **moderate.** When the week has been without sunshine the word **nought** is inserted in the column for the district.

The classification may be put briefly in tabular form as below, and a similar table applies to Rainfall and Sunshine also. For the latter elements a week for which the value is **nought** counts as a **very light** or **very scanty** week.

Classification for Warmth.

Number of weeks on the Average in 12 years.					
Very Unusual.	Unusual.	Moderate.	Deficient.	Very Deficient.	Total.
1	3	4	3	1	12

The normals referred to above are the smoothed normals of the weekly values published in the Weekly Weather Report for the 25 years 1881–1905. An account of the method of determining the limits of the various classes is given in a paper by R. G. K. Lempfert : "A New Method of Treating Meteorological Statistics," Journal of the Board of Agriculture, Vol. xiv, No. 1, April 1907.

* To the end of 1919 the wind was generally tabulated by steps of 11¼° corresponding with "points."

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In the Summaries for the current season the first figures (**large thick type**) in each column denote the number of weeks of **unusual** warmth, **heavy** rainfall and **abundant** sunshine in each district. The second figures (**small thick type**) denote the number of **moderate** weeks. The third figures (ordinary type) denote the number of weeks of **deficient** warmth, **light** rainfall, **scanty** sunshine. **Very unusual** weeks are included with **unusual weeks** in this table, and so for the other extreme characters.

Table IV. Temperature, Rainfall and Sunshine at Stations in the British Isles.

TEMPERATURE.—(*a*) **Of the Air.**—In general the temperature of the air is obtained from self-registering maximum and minimum thermometers placed in a louvred screen, on a four-legged stand, at a height of about 4 feet above the ground. At Greenwich and at Camden Square Glaisher stands are in use, and the extreme readings by day and by night are likely to be respectively higher and lower than the air temperature. The hours of observation are generally those given in the Monthly Weather Report, but for the observatories at Aberdeen, Eskdalemuir, Richmond and Cahirciveen the 7h. observations are utilised. The thermometers are read and set at the hour of morning observation (7h. or 9h. G.M.T.) at stations marked *a*, and at the hour of evening observation (generally 21h.) at the stations marked *p*. At the former the maximum temperature is entered to the day preceding that on which it is read, and at the latter to the day of reading. The minimum temperature is entered in all cases to the day of reading.

The mean temperature published in this Report is calculated from the maximum and minimum but is intended to represent the true mean temperature for the week. It differs from half the sum of the means of the daily maxima and minima by an amount proportional for each month to the difference between these two means. If X and N are the means of the daily maxima and minima, the amounts to be added or subtracted from $\frac{1}{2}(X + N)$ to get the mean temperature are shown in the following table* :—

Month.	Jan. and Dec.	Feb. and Nov.	Mar. and Oct.	Apr. and Sept.	May and Aug.	June and July.
Amount	Add $\frac{1}{50}(X-N)$	Nil	Subtract $\frac{3}{200}(X-N)$	Subtract $\frac{6}{250}(X-N)$	Subtract $\frac{3}{100}(X-N)$	Subtract $\frac{7}{200}(X-N)$
Simple Approximate Value.			$\frac{1}{70}(X-N)$	$\frac{1}{40}(X-N)$	$\frac{1}{30}(X-N)$	$\frac{1}{30}(X-N)$

* The table is based on formulæ proposed by General Strachey and derived from a discussion of the records at Greenwich and the First Order Observatories of the Meteorological Office. (*See* Q.W.R. 1878. App. II.) In the summer the mean of the maximum and minimum temperatures is higher than the true mean for the day as the highest temperatures do not last for many hours. In midwinter it happens frequently that the same cold night gives a low minimum for two consecutive periods of 24 hours, so that the mean temperature derived from the maximum and minimum readings is too low and requires a positive correction. Strachey's investigation referred in the first instance to maxima and minima for the 24 hours ending at midnight. The formulæ are used, however, in this report for readings at 7h., 9h. or 21h. How closely the "Strachey means" agree with the true mean temperatures in such circumstances has not been determined.

(*b*) **On the Grass.**—The "temperature on the grass" is obtained from a minimum thermometer whose stem is protected by an outer glass tube. The thermometer is placed so that it is just level with the top of short grass, *i.e.*, about 2 inches above the ground. The grass minimum thermometer does not record the temperature of the air at its own level but rather its own temperature, *i.e.*, that of a bulb filled with spirit, losing heat by radiation in all directions and receiving heat by radiation from the clouds, from the atmosphere itself, from the ground and from surrounding objects, and by contact with the air. Although the thermometer does not give the temperature of the air or of the grass-blades, its readings do indicate the circumstances in which those temperatures are high or low. A night is reckoned as a night of ground frost if the minimum indicated is 30°·4 F. or below.

(*c*) **In the Ground.**—The temperature of the ground is obtained from thermometers whose bulbs are embedded in a non-conducting material (usually paraffin wax) contained in a glass tube about 1 inch in diameter. The whole thermometer is placed in an iron tube closed at the bottom and covered at the top by a metal lid which prevents the entrance of water into the tube. The readings usually refer to the epoch 9h. G.M.T. Separate iron tubes are used for the 1 foot and 4 feet thermometers.

RAINFALL.—The rainfall refers to the period of 24 hours beginning at the hour of morning observation, *i.e.*, the measurement made in the morning is entered to the preceding day. The gauges are of 8 inch or 5 inch diameter and the rims are 1 foot above the ground.

A rain-day is a day on which ·01 inch or 0·2 mm. of rainfall is recorded during the period of 24 hours referred to above. As it is the practice to count measurements which lie intermediately between two exact numbers as belonging to the higher number if they lie nearer to it (or half-way between the two) and as belonging to the lower number if they lie nearer to *it*, the exact limits of the amount of rain which determines a rain-day are ·005 inch or ·15 mm. respectively.

SUNSHINE.—The records are obtained from recorders in which the sun's rays are concentrated upon a blue card of definite composition and colour by means of a lens of definite size and refractive index. The specification is given in the Observers' Handbook, M.O. 191. The trace during intermittent sunshine is extended by charring of the card beyond the true limits at which the sun emerges and is obscured, and an allowance, resting on long practice, is made for this extension. The allowance is less than that which would reduce the record of intermittent burns of short duration in very bright sunshine sufficiently to give the actual time during which the sun was unobscured. The values are, therefore, on the average slightly in excess of the actual duration of sunshine of intensity sufficient to scorch the card.

Table V. Summary of Autographic Records of Wind.

WIND.—All the records are obtained from instruments of the Dines Tube type except where otherwise stated. The trace is made by recording the rise and fall of a float which is lifted partly by the pressure of the wind in an open horizontal tube facing the wind, and partly by the suction of the wind passing rows of holes in a vertical tube. The trace has the appearance of a ragged ribbon of varying width and the mean velocity for an hour is obtained by taking a line running along the middle of the ribbon and estimating its mean height above the base line for the period from 30 minutes before to 30 minutes after an exact hour of Greenwich Mean Time.

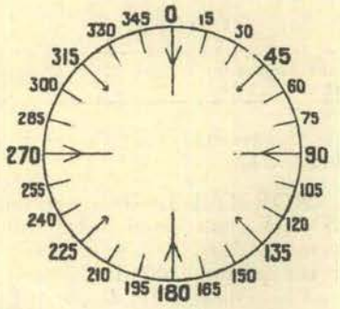
In setting out the distribution of winds according to mean speeds the limits assigned to the several numbers of the Beaufort scale of wind-force have been observed.

It is now recognised that the mean speed of the wind varies rapidly with height so that the same gale will be represented by different wind speeds recorded by two anemometers at different heights at the same place. Of the anemometers which were used in the discussion of the Beaufort scale by Simpson (M.O. publication 180) those at Scilly had the best exposure. Accordingly the table which is based on that discussion may be regarded as giving the speed measured at 10 metres (33 ft.) above the ground in the open corresponding with winds of various strengths as judged by the effect on shipping at sea or on trees, &c., on land.

Beaufort Scale.		Calm. 0	Light Air. 1	Slight Breeze. 2	Gentle Breeze. 3	Modte. Breeze. 4	Fresh Breeze. 5	Strong Breeze. 6	High Wind. 7	Gale. 8	Strong Gale. 9	Whole Gale. 10	Storm. 11	Hurricane. 12
Mean wind speed at 33 feet.	mi/hr	Less than 1	1 to 3	4 to 7	8 to 12	13 to 18	19 to 24	25 to 31	32 to 38	39 to 46	47 to 54	55 to 63	64 to 75	Above 75
	m/s	Less than 0·3	0·3 to 1·5	1·6 to 3·3	3·4 to 5·4	5·5 to 7·9	8·0 to 10·7	10·8 to 13·8	13·9 to 17·1	17·2 to 20·7	20·8 to 24·4	24·5 to 28·4	28·5 to 33·5	Above 33·5
W.W.R. groups ...		←——→		←——→		←——→		←——→		←——————→				

The classification of the winds in Table V. of the Weekly Weather Report is such that for an anemometer well exposed at 33 ft., the groups correspond with Beaufort-forces 0 and 1, 2 and 3, 4 and 5, 6 and 7, 8 and above respectively. For all the anemometers the same limits of wind speed (in metres per second) are adopted, viz., 0 to 1·5, 1·6 to 5·4, 5·5 to 10·7, 10·8 to 17·1, 17·2 and upwards.

The adjustment of the recording part of a Pressure Tube anemograph to give correct readings in the lower part of the scale is difficult so that in using the table of wind distribution less weight should be attached to the distinction made between the two lowest groups than to the other breaks in the series.



The highest hourly wind refers to an hour centering at an exact hour of G.M.T. The speed is expressed in metres per second. The direction is given in degrees measured from North through East. It is referred to true, that is geographical, as distinguished from Magnetic, North.

The direction of the mean velocity is estimated from the direction record in a manner similar to that used for the estimation of mean speed.

The gusts are obtained by taking the highest excursion on the "ribbon." The direction of a gust is taken as nearly as possible for the instant at which the gust occurs.

Times are Greenwich Mean Civil Time (Noon G.M.T. = 12h., 6 p.m. = 18h.). Summer-Time is not used. When an anemometer is on the top of a building the approximate height above the top of the building is shown in the appropriate column. For stations where the head of the anemometer is supported on a pole rising direct from the ground or from an iron skeleton tower which does not interfere with the wind sufficiently to affect appreciably the recorded speed, the symbol ‡ signifying "standard mounting" is shown in this column. The vane of the pressure tube anemograph at Kew Observatory, Richmond, is level with the Robinson cups. It is 22 ft. above the main roof of the Observatory, 6 ft. above a wooden staging erected for wind observation. The vane of the tube anemograph at Aberdeen is 37 ft. above the tower, 52 ft. above the main roof of the College.

At Aberdeen, Holyhead and Scilly the vane is not connected to a Direction Recorder; in these cases the direction is taken from the Robinson-Beckley anemograph. The wind directions at Pendennis Castle is from the Robinson-Beckley anemograph at Falmouth.

In addition to the results from tube anemographs, the table includes summaries of the readings from the cup anemographs at Deerness, Fleetwood, Bidston and Kingstown. These are all of the standard pattern with 9-inch cups. The "factor" 2·2 is assumed at all speeds.

Table VI. District-Values of Temperature, Rainfall, Sunshine—Duration and Pressure.

DISTRICT-VALUES.—Except in the case of "Accumulated Temperature" the District-Values are the means of the station-values for each district

The stations used for the computation of district-values have not been the same during the whole history of the Report, but when a station lapses it is, if possible, replaced by another in the neighbourhood for which the averages of rainfall, temperature and sunshine are similar. A list of the stations for 1920 will be given in the Introduction to the annual volume of the Weekly Weather Report.

The District-Values of Pressure are obtained from the observations at 7h. and 18h. published in the Daily Weather Report. No correction for diurnal range is applied.

The means of daily maximum, minimum and mean temperature, and the deviation of the mean temperature from the normal are expressed in degrees on the Absolute Scale of temperature. The zero of this scale is 273° C. below 0° C., the freezing point of water, and the degree interval is identical with that of the Centigrade thermometer. For theoretical and practical reasons this scale is to be adopted in all parts of the British Meteorological and Magnetic Year-book, but for the present the Temperatures in Table IV. of this Report and also the Accumulated Temperatures in Table VI. remain on the Fahrenheit scale.

ACCUMULATED TEMPERATURE.—The Tables of Accumulated Temperature are designed to give persons engaged in agriculture better means of estimating the manner in which vegetation is affected by temperature than that afforded by the more usual methods of treating the readings of the thermometer. They show the combined amount and duration of the excess or defect of the air temperature, above or below a suitably fixed standard, or base-temperature. For Districts, cumulative values for the whole period since the commencement of the season and the year are published in addition to the values for each week. The base temperature adopted is 42° F., as being nearly equivalent to 6° C. This has been considered by Continental writers on these subjects to be the critical value, the temperature above which is mainly effectual in starting and maintaining the growth, and in completing the ripening, of agricultural crops in a European climate. This base is also convenient as being 10° F. above the freezing point on the Fahrenheit scale.

The following rules* are followed in making the computation of accumulated temperature in the four cases which may occur. In each case the accumulated temperature is found from the District-Values of Maximum, Minimum and Mean Temperature.

Conditions of Temperature.	To obtain the daily Accumulated Temperature.	
	Above 42° F.	Below 42° F.
If the minimum is *above* 42° F. or *equal* to 42° F.	Subtract 42° F. from the mean.	There is none.
If the minimum is *below* 42° F., but the mean for the day is *above* 42° F.	From the difference between the mean for the day and the minimum deduct the accumulated temperature below 42° F., calculated as stated in the next column.	The required quantity is the excess of 42° F. over the minimum, multiplied by the coefficient 0·4.
If the mean for the day is *below* 42° F., but the maximum is *above* 42° F.	The required quantity is the excess of the maximum over 42° F., multiplied by the coefficient 0·4.	From the difference between the mean for the day and the minimum deduct the accumulated temperature above 42° F., calculated as stated in the preceding column.
If the maximum is *below* 42° F. or *equal* to 42° F.	There is none.	Subtract the mean from 42° F.

The average daily values obtained in the manner described are multiplied by 7 to obtain the values for the whole week.

NORMALS.—The normals of air temperature and of rainfall and sunshine for the individual stations in Table IV. are based upon the monthly normals for these stations for the years 1881–1915. [See *The Book of Normals*, *M.O.* 236, *Section* 1.] The present normals have been in use since the first week of 1917. The normals for the period 1881–1905 were in use from 1908 to 1916.

The averages for Ground Temperature used in Table IV. were computed from the weekly values published in the Reports for the years 1907–1915. No correction has been applied to the averages for shorter periods in the case of stations for which values for the whole 9 years were not available.

The normals used in Table VI. are derived from the weekly district values published in the Report but they have been adjusted in cases where the selection of stations for the district differed materially from the selection now used. These normals are for the 35 years 1881–1915 and are printed in *The Book of Normals*, *Section* III.

METEOROLOGICAL OFFICE,
SOUTH KENSINGTON,
London, S.W.7.

* *cf.*, Strachey: Quarterly Weather Report, 1878 [p. 19].

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

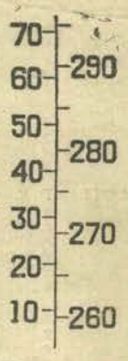
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 1.

FIRST WEEK, SUNDAY, JANUARY 4TH TO SATURDAY, JANUARY 10TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net

I.—GENERAL SUMMARY. [First published in 1878.]

For the first three days the weather over the British Isles was generally cold and dry, but by Wednesday a great change had developed, and disturbed conditions, with variable temperature, high winds or gales, and much rain, prevailed till the close of the week. On Monday pressure over Scotland was as high as 1039 mb. (nearly 30·7 in.), while on Thursday over Shetland it was down to 956 mb. (28·2 in.). Winds from S.W. to W. or N.W. reached gale force in most parts of the country on the 7th and on the 10th, and on some South-western coasts on several other days during the week. Much damage was reported in various districts as well as wrecks at sea: the loss of the S.S. Treveal with 36 lives near St. Alban's Head was the worst catastrophe. Low maximum temperatures were recorded on the 5th over Scotland and on the 6th over England, readings between 274 a and 272 a being commonly reported. Between the 7th and 10th the maxima were high, readings of 285 a and above occurring in various parts of England. The lowest minima were registered on the 6th or 7th, a few stations having readings of 266 a in the screen, while at one or two places the thermometer on the grass went down to 262 a. The mean temperature for the week was slightly below the normal in all districts. Rainfall was more than the normal in all districts except the English Channel, the largest excesses being England S.W. with 20mm. and Scotland N. with 17mm. On the 7th 30mm. of rain fell at Strathpeffer and 58mm. at Fort William, while the aggregate for the two days 9th–10th at Collumpton was 45mm. and at Arlington 67mm.; at Rhayader on the three days 8th–10th 59mm. fell. There were one or two bright days during the week and the daily mean of bright sunshine was slightly more than the normal in most districts. Aurora was seen at Aberdeen on the 9th and at Deerness on the 10th, and there were solar halos at South Farnborough on the 4th and at Oxford on the 4th and 9th, and a lunar halo at Aberdeen on the 5th. The Zodiacal Light was witnessed at Raunds on the 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (May 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	6·0	16	5·4	14	3·8	13	3·9	15	5·0	7	4·1	20	3·4	14	5·4
North	8	4·5	6	2·9	12	5·4	14	3·7	8	4·6	17	3·3	3	4·3	11	2·6
West	18	5·4	18	5·9	15	6·5	15	5·3	16	8·2	15	12·2	17	8·1	13	10·6
East	7	3·2	5	2·7	12	6·3	11	3·5	12	5·3	11	7·1	9	6·4	12	2·1
Calm	2	—	2	—	1	—	1	—	0	—	0	—	2	—	2	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		Districts of the British Isles.												
		Extreme N.	Eastern Section.					Western Section.						Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate
	Rainfall ...	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 6 weeks from Nov. 30th, 1919.	Warmth ...	0, 4, 2	1, 3, 2	0, 6, 0	4, 2, 0	3, 3, 0	3, 2, 1	1, 5, 0	2, 4, 0	3, 2, 1	3, 3, 0	2, 2, 2	3, 2, 1
	Rainfall ...	2, 3, 1	2, 4, 0	4, 2, 0	4, 2, 0	5, 0, 1	4, 1, 1	5, 1, 0	3, 2, 1	4, 2, 0	5, 1, 0	4, 2, 0	3, 1, 2
	Sunshine ...	3, 2, 1	4, 2, 0	1, 4, 1	0, 5, 1	1, 3, 2	0, 3, 3	1, 5, 0	1, 5, 0	2, 3, 1	1, 4, 1	0, 6, 0	1, 1, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(26988—19) Wt 162—833/512 1/20 625 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands.. a Lerwick	54	46	6th	22	10th	40·9	31·4	36·3	- 2·8	5	1·19	30	+ 8									
p Deerness, Orkney ..	165	46	7, 8	25	10th	40·6	32·6	36·8	—	6	1·90	48	+ 30	Deerness ..	0·6	- 0·1	10	•	•	•	•	•	•
a Stornoway	31	50	7th	28	5th	44·6	32·9	39·0	- 0·2	6	2·36	60	+ 33	Stornoway ..	0·8	0·0	12	•	•	•	•	•	•
a Castlebay, Barra I. ..	17	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay, ..	—	—	—	•	•	•	•	•	•
b, Mainland. a Wick	81	48	7th	21	10th	41·0	30·3	35·9	- 2·1	5	0·95	24	+ 11									
a Strathpeffer	125	44	6th	23	10th	40·1	29·0	34·8	- 2·2	3	1·44	37	+ 21									
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—									
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—									
p Fort William	171	51	8th	25	5th	41·7	31·6	36·9	- 1·9	6	3·18	81	+ 34									
1. SCOTLAND, E.																						
a Nairn	82	50	7th	27	6, 9, 10	41·7	31·6	36·9	- 0·1	5	0·91	23	+ 11	Nairn	0·6	—	9	•	•	•	•	•	•
p Gordon Castle	101	50	8th	24	10th	41·3	30·4	36·1	- 1·8	3	0·55	14	+ 1	Gordon Castle..	0·7	—	10	•	•	•	•	•	•
a Aberdeen	46	50	7th	27	4th	41·7	31·7	36·9	- 0·8	3	0·17	4	- 11	Aberdeen ..	0·7	- 0·4	10	4	21	•	•	•	•
a Balmoral	930	45	7th	19	6th	35·6	28·6	31·3	- 2·8	6	0·97	25	+ 9	Balmoral ..	•	•	•	•	13	•	•	38·9	- 2·0
p Crieff	432	50	8th	26	5, 9	40·4	30·1	35·5	- 1·3	4	0·97	25	+ 1	Crathes	0·9	- 0·3	14	5	17	33·2	- 2·8	36·7	- 2·3
a Dundee	244	45	7th	25	9th	39·0	29·7	34·5	- 2·3	2	0·55	14	+ 1	Dundee	1·1	—	16	5	20	32·4	•	•	•
a Leith	30	55	7th	30	6th	43·1	33·7	38·6	- 0·5	4	0·54	14	+ 4	Leith	•	•	•	5	21	•	•	•	•
p Edinburgh	441	55	7th	30	6, 9	42·4	32·6	37·7	- 0·2	4	0·46	12	+ 1	Edinburgh ..	0·8	- 0·5	12	4	25	•	•	•	•
a West Linton	769	50	7th	25	6th	38·0	29·1	33·7	- 0·3	4	0·87	22	—	West Linton ..	0·4	—	6	6	19	•	•	•	•
p Marchmont	498	50	8th	26	5th	40·3	30·1	35·4	- 0·9	3	0·66	17	+ 3	Marchmont ..	0·0	- 1·0	0	•	•	•	•	•	•
6. a, SCOTLAND, W																						
a Ford (Argyll)	149	52	7th	23	5th	41·2	29·5	35·6	—	6	2·57	65	—	Ford (Argyll) ..	•	•	•	—	—	35·2	—	39·4	—
p Glasgow Observatory	180	51	8th	30	5, 6	41·0	32·7	37·0	- 1·4	5	1·02	26	+ 6	Glasgow.. ..	0·2	- 0·3	3	3	20	•	•	•	•
p Rothesay	200	51	7th	28	9th	41·6	33·1	37·5	- 1·8	6	1·59	41	+ 13	Rothesay ..	0·5	—	8	3	27	35·7	—	40·6	- 2·6
a Kilmarnock	90	52	7th	26	5, 6	41·6	31·6	36·8	- 0·7	5	1·02	26	+ 4	Kilmarnock ..	0·1	—	1	•	•	36·0	—	41·4	—
a Colmonell	170	52	7th	27	5, 6	43·3	32·7	38·2	- 0·8	5	0·94	24	- 4	Colmonell ..	•	•	•	3	24	•	•	•	•
p Cally, Gatehouse ..	120	46	7th	25	6th	41·9	31·6	37·0	- 1·1	5	2·22	56	+ 28	Dumfries ..	1·1	—	15	4	21	35·7	- 3·3	40·1	- 1·7
p Dumfries	160	51	7, 8	25	6th	42·3	31·7	37·2	- 0·5	5	1·06	27	+ 8	Eskdalemuir ..	0·2	—	3	4	14	•	•	•	•
a Eskdalemuir	794	47	7th	19	6th	38·7	28·6	33·9	—	6	1·42	36	—									
b, I. OF MAN p Douglas	277	50	8th	34	5, 6	44·7	36·7	40·9	+ 0·2	4	1·16	30	+ 7	Douglas	1·6	+ 0·3	22	2	27	•	•	•	•
2. ENGLAND, N.E																						
a North .. a Alnwick Castle ..	210	52	7th	27	7th	42·4	31·6	37·2	- 0·5	5	0·72	18	+ 1									
a Tynemouth	118	54	7th	29	7th	43·3	33·3	38·5	+ 0·1	3	0·88	22	+ 9	Cockle Park ..	0·9	- 0·4	12	5	20	34·0	- 3·3	38·6	- 2·0
p Durham	336	51	8th	29	6, 7, 9	42·1	31·7	37·1	+ 0·2	4	1·04	26	+ 14	Durham ..	1·6	+ 0·5	21	5	18	•	•	•	•
p Rounton	249	52	8th	25	6th	40·6	30·1	35·6	- 1·3	5	0·99	25	+ 12	Rounton ..	•	•	•	6	13	35·3	•	•	•
a West Witton	605	50	7th	24	6th	41·1	30·7	36·1	—	5	1·71	43	—	West Witton ..	•	•	•	6	20	34·3	—	39·7	—
p Scarborough	100	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough† ..	—	—	—	•	•	•	•	•	•
p York	58	54	8th	27	6th	42·7	31·9	37·5	- 0·3	4	0·63	16	+ 3	York	1·5	+ 0·8	20	—	—	36·9	- 2·8	41·5	- 1·7
b, South .. a Spurn Head	26	50	10th	24	7th	43·6	32·4	38·2	- 0·3	2	0·24	6	- 5	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	53	10th	25	7th	44·6	31·4	38·3	+ 1·2	4	0·30	8	- 5	Lincoln	•	•	•	5	24	36·3	- 1·9	41·4	- 1·4
a Fulbeck	180	52	10th	24	7th	43·9	29·6	37.0	- 0·1	4	0·48	12	- 1	Fulbeck	1·7	+ 0·5	22	•	•	—	—	—	—
														Skegness ..	1·7	+ 0·4	23	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	51	10th	20	7, 8	42·7	27·7	35·5	- 2·5	4	0·25	6	- 5	Cromer	2·2	+ 0·7	29	•	•	•	•	•	•
a Little Massingham ..	280	50	10th	21	7th	42·7	27·4	35·4	- 1·5	3	0·46	12	- 4	Lit. Massingham	1·9	+ 0·7	25	•	•	•	•	•	•
a Yarmouth	13	52	7, 8, 10	25	8th	44·0	32·1	38·3	+ 0·5	4	0·29	7	- 6	Yarmouth ..	1·9	—	25	3	27	38·1	- 1·7	42·6	- 1·9
a Norwich	93	52	7, 10	24	7th	44·3	30·9	37·9	+ 0·5	4	0·49	12	- 3	Norwich ..	1·7	—	22	7	23	34·9	•	•	•
a Geldeston	37	55	7th	23	7, 8	45·7	30·7	38·5	+ 0·5	4	0·40	10	- 3	Geldeston ..	1·9	+ 0·4	24	•	•	•	•	•	•
p Cambridge	41	54	10th	21	7th	44·9	31·9	38·7	+ 1·1	3	0·69	18	+ 7	Cambridge ..	2·3	+ 1·0	30	4	22	38·0	- 1·8	43·2	- 1·0
a Clacton-on-Sea ..	54	50	8th	24	8th	44·0	32·4	38·4	+ 0·4	3	0·50	13	+ 3	Clacton	1·4	- 0·2	18	3	26	37·5	- 3·9	43·3	- 2·4
a Rothamsted	424	51	10th	20	7th	42·9	28·3	35·9	- 1·4	4	0·87	22	+ 7	Rothamsted ..	1·6	+ 0·2	20	7	20	36·8	•	•	•
p Tottenham	51	52	10th	23	7th	43·7	32·7	38·4	—	2	0·99	25	—	Tottenham ..	1·1	—	14	3	23	•	•	44·0	- 1·7
														S'thend-on-Sea	1·3	—	17	1	27	37·8	- 2·5	—	—
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	52	7th	21	9th	41·6	30·1	36·1	- 0·5	5	1·49	38	+ 21	Harrogate ..	1·4	+ 0·1	19	5	21	36·5	- 3·0	39·8	- 1·6
p Sheffield	429	—	—	—	—	—	—	—	—	—	—	—	—	Sheffield.. ..	—	—	—	—	•	•	•	•	•
p Buxton	987	46	10th	22	6th	38·4	29·6	34·2	—	5	1·28	32	0	Buxton	0·4	—	5	3	18	34·8	- 3·9	40·4	- 2·8
b, East .. a Worksop	56	54	10th	24	6, 7	44·3	30·1	37·5	+ 0·1	5	0·35	9	- 4	Worksop ..	1·0	0·0	13	6	15	36·1	—	40·6	—
a Nottingham	82	52	7, 10	24	7th	43·9	30·6	37·5	- 0·1	3	0·75	19	+ 6	Nottingham ..	0·5	- 0·4	6	7	22	35·6	- 2·8	39·5	- 2·1
p Birmingham, Edgbsn.	535	53	10th	23	7th	42·7	30·9	37·0	- 0·7	4	1·14	29	+ 14	Birmingham ..	0·9	0·0	12	5	12	38·0	- 3·0	44·2	- 1·2
a Raunds	203	53	10th	22	7, 8	45·4	28·9	37·5	+ 0·9	4	0·65	16	+ 4	Raunds	1·9	—	24	6	22	37·6	—	43·0	—
p Oxford	208	52	10th	21	7th	43·0	32·0	37·7	- 0·7	3	0·58	15	+ 2	Oxford	2·1	+ 0·7	27	5	22	•	•	•	•
														Malvern ..	2·0	—	26	—	—	36·6	—	42·4	—
c, West .. a Cheadle (N. Staffs.) ..	646	49	7, 10	22	7th	42·1	30·1	36·3	- 0·1	3	0·95	24	+ 6	Cheadle	•	•	•	6	22	•	•	•	•
p Tenbury	313	54	8th	20	7th	43·6	31·1	37·6	- 1·1	3	1·12	28	+ 16	Tenbury	•	•	•	5	16	37·3	—	—	—
a Hereford	201	52	7, 9, 10	20	7th	45·0	29·4	37·5	- 0·5	3	0·78	20	+ 5	Ross-on-Wye ..	1·8	—	23	3	19	—	—	—	—
a Clifton	228	52	7th	25	7th	45·4	33·1	39·5	- 0·2	4	2·13	54	+ 32	Clifton	1·8	—	22	4	24	•	•	•	•
														Worthing ..	—	—	—	—	—	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	52	10th	19	7th	43·4	29·0	36·5	- 1·2	4	1·59	40	+ 24	Marlborough ..	1·8	+ 0·6	23	6	18	38·0	—	44·4	—
p Salisbury (Wilton) ..	180	53	10th	17	7th	43·6	31·7	37·9	- 0·3	4	1·21	31	+ 12	Salisbury ..	•	•	•	4	15	38·4	—	•	•
a Wisley, Surrey ..	150	54	10th	22	7, 8	44·9	30·7	38·1	- 0·5	3	0·70	18	+ 7	Wisley	1·3	- 0·1	16	7	22	38·1	- 2·6	43·6	- 0·9
a Tunbridge Wells ..	354	51	10th	21	7, 8	44·4	30·1	37·5	- 0·8	3	0·94	24	+ 8	Tunbridge Wells	1·6	+ 0·2	21	7	25	39·7	+0·2	44·9	—
a Margate	51	52	10th	27	7, 8	46·1	33·0	39·8	+ 0·1	3	0·40	10	0	Margate	0·8	- 0·7	10	3	22	39·7	- 2·5	44·0	- 1·2
a Dungeness	21	49	10th	28	7th	44·0	32·1	38·3	- 1·6	4	0·72	18	+ 6	Folkestone ..	1·5	—	19	•	•	•	•	44·9	—
p St. Leonards	178	50	10th	25	7th	42·9	33·9	38·6	- 1·5	3	0·72	18	+ 4	St. Leonards ..	2·6	+ 0·8	32	5	22	37·8	—	44·2	—
p Southampton	64	52	10th	19	7th	43·6	32·4	38·2	- 2·2	4	1·05	27	+ 10	Southampton ..	2·5	+ 1·0	31	5	22	•	•	•	•
a Ventnor	59	51	10th	22	7th	44·7	32·1	38·7	- 3·5	4	1·35	34	+ 18	Ventnor	2·8	+ 1·1	35	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	53	10th	24	7, 8	45·1	32·1	38·9	- 0·2	3	0·61	16	+ 5	Richmond	1·3	+ 0·1	17	2	23	37·2	- 3·4	43·7	- 1·4
a Westminster	27	54	10th	23	7, 8	46·9	31·4	39·5	- 0·5	2	0·84	21	+ 11	Westminster ..	1·1	+ 0·5	14	7	22	•	•	•	•
ag Greenwich	149	53	10th	22	7, 8	44·9	30·6	38·0	- 1·9	3	0·85	22	+ 12	Greenwich ..	1·4	+ 0·3	18	7	23	•	•	•	•
a Hampstead	450	51	10th	19	7th	41·3	30·9	36·3	—	4	0·90	23	—	Hampstead ..	1·5	—	19	6	17	•	•	•	•
ag Camden Square ..	110	53	10th	22	7, 8	45·4	30·1	38·1	- 1·0	6	1·08	27	+ 16	Camden Square	—	—	—	3	23	•	•	•	•
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	457	49	8th	26	6th	40·1	31·6	36·0	- 2·0	4	1·03	26	+ 5	Aspatria.. ..	0·9	- 0·2	12	5	20	36·6	- 3·9	41·3	- 2·9
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	49	7th	26	6th	41·3	32·6	37·1	- 0·8	4	1·91	49	+ 23	Stonyhurst ..	0·5	- 0·3	6	3	20	•	•	•	•
p Blackpool	66	47	10th	26	6th	42·4	32·3	37·6	- 1·3	4	0·89	23	+ 6	Blackpool ..	0·9	- 0·2	11	6	16	39·6	—	44·2	—
a Southport	37	51	7th	25	6th	43·0	32·0	37·7	- 1·2	3	0·98	25	+ 9	Southport ..	0·8	- 0·3	10	4	18	35·0	- 3·6	39·8	- 2·0
														Hoylake ..	0·5	- 0·7	7	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	53	7th	29	7th	44·1	32·7	38·6	- 1·0	3	0·63	16	+ 2	Liverpool ..	0·6	—	7	5	24	•	•	•	•
a Hawarden Bridge ..	22	54	10th	27	7th	46·3	33·0	39·9	- 0·3	3	0·67	17	+ 5	Manchester(City)	0·1	- 0·2	1	2	27	36·2	- 3·2	42·2	- 1·9
a Manchester (Whit. Pk.)	125	52	8, 10	27	6, 7	43·7	33·4	38·8	- 0·4	4	1·23	31	+ 15	Whitworth Park	0·0	- 0·4	0	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	54	7th	26	6th	45·7	34·0	40·1	- 1·5	3	0·74	19	+ 3	Llandudno ..	0·5	- 0·9	6	•	•	•	•	•	•
a Holyhead	15	51	7th	29	6, 7	46·0	34·7	40·6	- 1·5	4	0·91	23	+ 3	Holyhead ..	0·9	—	12	2	20	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—									
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
a Aberystwyth	59	49	10th	26	6th	44·7	34·7	39·9	—	5	0·83	21	—	Aberystwyth ..	1·4	0·0	18	*	*	*	*	*	*
a Rhayader	757	51	7, 10	19	7th	44·1	29·9	37·3	—	4	2·37	60	—	Rhayader ..	0·8	—	11	3	10	*	*	*	*
a St. Ann's Head	149	50	7, 9, 10	31	6th	46·3	38·1	42·4	- 0·7	4	0·92	23	+ 1	St. Ann's Head	2·2	+ 0·7	28	*	*	*	*	*	*
p Cardiff	202	51	10th	23	7th	43·1	32·7	38·1	- 1·2	4	2·29	58	+ 34	Cardiff	2·5	—	31	4	18	38·1	-2·9	44·3	-0·8
b, ENGLAND, S.W.																							
a Bath	66	54	10th	23	7th	46·6	31·4	39·3	- 0·3	3	1·25	32	+ 16	Bath	1·9	+ 0·5	24	—	—	39·4	-2·0	44·5	-1·5
a Shaftesbury	722	56	10th	17	7th	42·7	28·1	35·7	- 2·3	4	1·11	28	+ 11	Shaftesbury ..	*	*	*	*	*	37·2	—	43·9	—
a Arlington	613	52	10th	25	7th	44·4	32·5	38·7	- 0·9	4	2·92	74	+ 43										
a Newquay	190	53	10th	28	6th	46·1	35·8	41·2	- 2·7	4	1·47	37	+ 17	Newquay ..	2·9	+ 1·3	36	—	—	42·1	—	47·5	—
a Cullompton	202	54	10th	22	7th	45·7	31·6	38·9	- 1·1	4	1·90	48	+ 27	Cullompton ..	2·5	+ 1·2	32	6	15	40·1	*	*	*
a Portland Bill	19	52	10th	26	7th	45·4	34·7	40·3	- 2·6	4	0·81	21	+ 7	Weymouth ..	3·6	—	45	*	*	*	*	*	*
p Plymouth	116	52	10th	27	7th	46·9	36·1	41·7	- 1·0	4	1·58	40	+ 18	Plymouth ..	3·1	+ 1·5	38	2	20	40·3	-3·5	46·7	—
a Falmouth	167	52	10th	28	6, 7	46·7	34·7	40·9	- 2·9	4	1·89	48	+ 19	Falmouth ..	2·7	+ 0·9	33	3	21	42·6	—	46·8	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	55	7th	32	5, 8	48·4	36·9	42·9	—	5	2·65	67	—	Mallarany ..	0·6	—	7	1	30	*	*	*	*
a Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	*	*	*	*	*	*
a Blacksod Point ..	37	52	7th	30	5th	48·4	36·6	42·7	0·0	6	1·54	39	+ 8	Markree Castle	0·3	- 0·9	5	3	21	39·4	-2·6	43·9	-1·5
p Markree Castle ..	122	54	8th	26	5th	45·9	32·4	39·4	- 0·1	5	1·80	46	+ 22										
b, East .. *p* Armagh	196	52	8th	27	5th	43·7	32·1	38·1	- 1·2	5	0·83	21	+ 5	Armagh	1·0	- 0·3	14	3	18	38·3	-2·6	42·5	-1·7
a Donaghadee	39	53	7th	31	6, 7	44·6	35·0	40·0	- 0·5	5	1·12	28	+ 12										
10. IRELAND, S.																							
p Dublin, City	47	55	8th	30	6th	46·6	35·7	41·4	- 0·4	4	1·10	28	+ 14	Trinity Coll. ..	1·2	—	16	5	19	40·8	-0·8	44·1	-0·8
a Birr Castle	175	52	9th	25	6th	46·1	31·7	39·2	- 0·7	4	0·95	24	+ 6	Phœnix Park ..	1·7	0·0	22	4	16	*	*	*	*
a Kilkenny	195	54	7th	22	6th	46·9	31·0	39·3	- 0·7	4	1·35	34	+ 14	Dublin City ..	*	*	*	2	24	*	*	*	*
a Waterford	137	54	7th	27	6th	47·4	33·9	40·9	- 1·0	3	1·03	26	+ 2	Birr Castle ..	1·1	- 0·3	15	6	22	*	*	*	*
p Seskin, Carrick-on-Suir	535	55	8th	27	6th	45·3	32·9	39·4	—	4	1·24	31	—	Seskin	2·0	—	25	3	20	*	*	*	*
a Cahir	199	54	7th	24	5th	47·1	33·7	40·7	+ 0·2	4	1·94	49	—										
a Foynes	50	53	7, 9	30	6th	47·3	35·9	41·8	- 0·2	5	1·61	41	+ 16										
a Cahirciveen (Val. Obs.)	30	53	7, 9	32	6th	49·1	38·4	44·0	- 0·5	5	1·42	36	0	Cahirciveen ..	1·7	+ 0·4	22	2	28	*	*	*	*
a Killarney	174	55	7, 9	29	6th	49·9	36·2	43·3	+ 0·5	5	1·37	35	- 4	Ballinacurra ..	1·7	+ 0·1	22	*	*	*	*	*	*
a Roche's Point	32	53	10th	31	7th	48·4	37·1	43·0	- 0·7	7	0·92	23	- 5										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	10th	35	6th	47·7	39·4	43·7	- 2·4	4	0·83	21	+ 1	Scilly	2·8	+ 1·0	35	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	54	10th	29	7th	47·7	36·7	42 4	- 1·0	4	0·43	11	- 9	St. Heliers ..	2·3	+ 0·4	28	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	52	10th	30	7th	47·1	37·6	42·5	- 1·3	4	0·77	20	- 1	Guernsey† ..	2·2	+ 0·4	26	2	19	43·2	-1·9	47·9	-0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 10th, 1920.

DISTRICT AND STATION	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	8	3	5 to 8	29	73	51	12	0	350	19	8	6	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	17	84	40	27	315	10	8	9	24	8	9	0
Aberdeen	153	105	52	—	—	7, 8	6	55	63	44	0	315	16	8	9	28	8	7	50
Edinburgh	485	39	31	8	4	7, 8	21	57	69	17	0	225	19	8	6	32	8	0	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	7, 8	7	7, 8	17	63	49	32	0	260	19	8	2	33	8	1	35
Paisley	188	81	15	—	—	7, 8	11	32	91	34	0	235	16	8	3	33	8	2	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	8	3	7, 8	11	58	64	32	0	290	20	8	9	33	8	8	40
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	4, 5, 7, 8, 10	37	105	22	4	0	55	15	4	21	22	8	10	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	8, 10	10	80	62	16	0	225	14	8	5	22	8	5	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	10	6	107	41	14	0	—	12	10	19	19	10	14	0
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	8, 10	15	4, 5, 7, 8, 10	57	60	35	1	0	270	19	10	20	26	10	19	30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	90	74	4	0	270	11	8	12	22	10	21	0
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	8	4	7 to 9	22	48	76	2	16	290	23	8	9	—	—	—	—
Southport	80	62	48	8	7	7 to 10	46	44	68	3	0	245	24	8	8	31	8	8	10
Holyhead	60	40	‡	8	7	4, 5, 7 to 10	57	74	25	5	0	250	24	8	8	34	8	7	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	4, 7, 9, 10	26	4, 5, 7 to 10	43	71	19	9	0	245	22	10	15	30	10	13	30
Plymouth	185	88	2	—	—	10	17	85	53	13	0	—	15	10	15	24	10	15	35
Lyme Regis	556	61	‡	—	—	5, 8, 10	16	82	48	22	0	—	17	10	18	26	10	19	19
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	7, 8, 10	12	4, 7 to 10	35	65	39	17	0	245	24	7	24	—	—	—	—
Quilty	100	40	‡	8	8	7 to 10	55	52	28	1	24	—	20	8	6	28	8	5	45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	7 to 10	53	59	45	11	0	215	15	10	23	27	8	11	35
Weaver Pt.	160	30	‡	10	2	7 to 10	37	81	23	3	22	—	17	10	16	28	10	15	35
11 ENGLISH CHANNEL																			
Scilly	150	32	‡	10	5	7 to 10	52	56	52	3	0	270	21	10	15	28	10	14	20

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory

* Above tops of trees
** For Deerness the week ends at midnight on Friday.

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIRST WEEK of 1920—January 4th to January 10th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	21	78·4	72·4	75·6	− 0·8	0	− 6	38	+ 3	5	0	1·82	46	+ 17	0·7	−0·1	11	1002
Eastern.																			
1. SCOTLAND, EAST ...	55	19	77·6	72·1	75·0	− 0·7	0	− 6	45	+ 3	4	0	0·71	18	+ 2	0·7	−0·3	10	1005
2. ENGLAND, N.E.	54	24	79·1	72·7	76·0	− 0·3	3	− 4	39	+ 4	4	0	0·66	17	+ 4	1·5	+0·4	20	1008
3. ENGLAND, EAST ...	55	20	79·6	72·2	76·0	− 0·2	5	− 4	43	+ 4	3	− 1	0·55	14	+ 1	1·8	+0·4	23	1010
4. MIDLAND COUNTIES ...	54	20	79·5	72·2	76·0	− 0·2	5	− 4	43	+ 3	4	0	0·99	25	+ 10	1·3	+0·2	17	1010
5. ENGLAND, S.E.	54	17	79·8	72·8	76·5	− 0·7	6	− 7	40	+11	4	0	0·93	24	+ 10	1·8	+0·3	23	1011
Western.																			
6. SCOTLAND, WEST ...	52	23	78·7	73·3	76·1	− 0·9	1	− 8	34	+ 5	5	0	1·45	37	+ 9	0·9	0·0	13	1007
7. ENGLAND, N.W.	54	25	79·5	73·6	76·7	− 0·4	5	− 5	34	+ 6	4	0	1·01	26	+ 7	0·7	−0·4	9	1009
8. ENGLAND, S.W.	56	17	80·3	73·6	77·1	− 1·1	9	− 8	35	+13	4	− 1	1·70	43	+ 20	2·2	+0·7	28	1012
9. IRELAND, NORTH ...	54	25	80·6	73·9	77·4	− 0·3	10	− 3	34	+ 9	5	0	1·25	32	+ 11	0·7	−0·6	9	1008
10. IRELAND, SOUTH ...	55	22	81·7	74·6	78·3	− 0·3	16	− 4	31	+12	5	0	1·30	33	+ 8	1·6	+0·1	20	1012
11. ENGLISH CHANNEL ...	54	29	81·6	76·3	79·1	− 1·0	24	− 3	11	+ 2	4	− 1	0·68	17	− 3	2·4	+0·6	30	1014

THE SEASON (Winter).—Aggregates, &c., for the Period of 6 Weeks, November 30th, 1919, to January 10th, 1920.

0. SCOTLAND, NORTH ...	51	20	78·6	73·6	76·2	− 0·6	20	− 28	208	+ 21	32	0	8·45	214	+ 15	0·7	+0·1	11	999
Eastern.																			
1. SCOTLAND, EAST ...	55	14	78·0	72·8	75·5	− 0·6	13	− 30	254	+ 21	29	+ 4	5·10	130	+ 27	1·3	+0·3	20	1002
2. ENGLAND, N.E.	55	23	79·4	74·1	76·9	0·0	29	− 24	186	0	29	+ 5	3·80	97	+ 20	1·2	0·0	16	1005
3. ENGLAND, EAST ...	55	20	80·4	74·1	77·4	+ 0·5	65	+ 2	179	− 20	31	+ 6	4·75	120	+ 43	1·2	−0·1	16	1009
4. MIDLAND COUNTIES ...	56	17	80·5	74·5	77·6	+ 0·9	79	+ 12	153	− 54	30	+ 5	5·24	133	+ 41	1·1	0·0	15	1008
5. ENGLAND, S.E.	54	17	81·3	75·2	78·4	+ 0·5	113	+ 17	127	− 19	31	+ 7	5·98	153	+ 52	1·2	−0·2	16	1010
Western.																			
6. SCOTLAND, WEST ...	52	19	79·5	74·7	77·2	− 0·3	39	− 30	157	+ 7	34	+ 5	10·68	272	+ 86	1·2	+0·3	17	1004
7. ENGLAND, N.W.	55	24	80·5	75·6	78·1	+ 0·5	75	+ 1	120	− 28	31	+ 5	6·50	164	+ 41	1·1	+0·1	14	1006
8. ENGLAND, S.W.	56	17	81·9	76·3	79·2	+ 0·5	140	+ 23	78	− 27	36	+ 7	9·76	246	+ 82	1·5	+0·1	20	1010
9. IRELAND, NORTH ...	54	20	81·2	75·2	78·4	+ 0·4	110	+ 25	128	− 2	38	+ 7	8·68	221	+ 85	1·2	0·0	16	1003
10. IRELAND, SOUTH ...	57	22	82·2	76·1	79·3	+ 0·3	149	+ 17	94	− 5	36	+ 6	7·79	197	+ 37	1·6	+0·1	20	1008
11. ENGLISH CHANNEL ...	54	29	82·8	78·8	80·9	+ 0·2	199	+ 9	14	− 20	35	+ 4	6·57	167	+ 27	1·6	−0·2	20	1013

THE YEAR 1920.—Aggregates, &c., for the Period of 1 Week, January 4th to January 10th, 1920.

0. SCOTLAND, NORTH ...	51	21	78·4	72·4	75·6	− 0·8	0	− 6	38	+ 3	5	0	1·82	46	+17	0·7	−0·1	11	1002
Eastern.																			
1. SCOTLAND, EAST ...	55	19	77·6	72·1	75·0	− 0·7	0	− 6	45	+ 3	4	0	0·71	18	+ 2	0·7	−0·3	10	1005
2. ENGLAND, N.E.	54	24	79·1	72·7	76·0	− 0·3	3	− 4	39	+ 4	4	0	0·66	17	+ 4	1·5	+0·4	20	1008
3. ENGLAND, EAST ...	55	20	79·6	72·2	76·0	− 0·2	5	− 4	43	+ 4	3	− 1	0·55	14	+ 1	1·8	+0·4	23	1010
4. MIDLAND COUNTIES ...	54	20	79·5	72·2	76·0	− 0·2	5	− 4	43	+ 3	4	0	0·99	25	+10	1·3	+0·2	17	1010
5. ENGLAND, S.E.	54	17	79·8	72·8	76·5	− 0·7	6	− 7	40	+11	4	0	0·93	24	+10	1·8	+0·3	23	1011
Western.																			
6. SCOTLAND, WEST ...	52	23	78·7	73·3	76·1	− 0·9	1	− 8	34	+ 5	5	0	1·45	37	+ 9	0·9	0·0	13	1007
7. ENGLAND, N.W.	54	25	79·5	73·6	76·7	− 0·4	5	− 5	34	+ 6	4	0	1·01	26	+ 7	0·7	−0·4	9	1009
8. ENGLAND, S.W.	56	17	80·3	73·6	77·1	− 1·1	9	− 8	35	+13	4	− 1	1·70	43	+20	2·2	+0·7	28	1012
9. IRELAND, NORTH ...	54	25	80·6	73·9	77·4	− 0·3	10	− 3	34	+ 9	5	0	1·25	32	+11	0·7	−0·6	9	1008
10. IRELAND, SOUTH ...	55	22	81·7	74·6	78·3	− 0·3	16	− 4	31	+12	5	0	1·30	33	+ 8	1·6	+0·1	20	1012
11. ENGLISH CHANNEL ...	54	29	81·6	76·3	79·1	− 1·0	24	− 3	11	+ 2	4	− 1	0·68	17	− 3	2·4	+0·6	30	1014
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: January 16th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

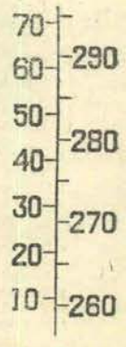
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 2.

SECOND WEEK,
SUNDAY, JANUARY 11TH TO SATURDAY, JANUARY 17TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net

I.—GENERAL SUMMARY. [First published in 1878.]

The week as a whole was characterised by mild, dull, damp weather. The winds, which blew from between SW. and W. throughout the period, reached gale force during the first day or two in all parts of the United Kingdom. Line-squalls were observed in different parts of the country, producing sudden temperature changes. Thunderstorms were experienced in nearly all parts of the British Isles on Sunday. A brisk rise of the barometer succeeded the depression of Sunday—Tuesday, and in most districts Wednesday was fine, at Worthing and Ventnor more than 7 hours of bright sunshine were recorded. Over Scotland Tuesday was a cold day (at many stations the thermometer failed to exceed 275 a), but on various other days in the different districts some abnormally high temperatures were recorded, readings of 286 a and upwards being registered generally, the actual highest being 289 a at Dublin on the 17th. On the morning of the 11th at Strathpeffer there was a minimum of 266 a, and at Nairn and Balmoral of 268 a, but over the country generally the lowest minima occurred on the 14th or 15th; the lowest readings on the grass were 266 a at Balmoral, Greenwich and Wisley. The mean temperature for the week was well above the normal in all districts; in Midland Counties, England E., and England S.E., the excess was 4·5 a or 5 a. The total rainfall was rather less than the normal in Ireland S., and was equal to or slightly above it over the Kingdom as a whole, but in Scotland N. and W., there was a considerable excess; at Ford (Argyll), 23mm. fell on the 13th, while at Fort William on the 16th there was as much as 94mm. (3·7 in.). Land-slides, attributed to the heavy rainfall, led to the blocking of railway and roads in Glen More. Aurora was seen in the N.E. of Scotland on the nights of the 11th and 17th, and the Zodiacal Light at Oxford on the 16th, while solar halos were observed at Aberdeen on the 12th, and in various parts of England daily from the 13th to 16th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	18	6·3	24	6·6	20	4·1	24	3·7	26	6·5	21	4·7	26	6·0	*26	6·2
North	6	3·1	1	1·1	4	5·0	3	2·2	2	8·4	6	3·4	1	1·7	1	2·5
West	16	6·9	23	7·1	28	6·4	28	5·0	26	7·3	25	8·0	24	9·2	17	8·2
East	7	3·9	2	2·0	0	—	0	—	0	—	2	1·7	1	2·3	6	1·8
Calm	2	—	2	—	0	—	0	—	0	—	0	—	1	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual	Very unusual	Unusual	Unusual
	Rainfall ...	Very heavy	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy
	Sunshine ...	Moderate	Abundant	Abundant	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 7 weeks from Nov. 30th, 1919.	Warmth ...	0, 5, 2	2, 3, 2	1, 6, 0	5, 2, 0	4, 3, 0	4, 2, 1	2, 5, 0	3, 4, 0	4, 2, 1	4, 3, 0	3, 2, 2	4, 2, 1
	Rainfall ...	3, 3, 1	2, 5, 0	4, 3, 0	5, 2, 0	5, 1, 1	4, 2, 1	6, 1, 0	3, 3, 1	5, 2, 0	6, 1, 0	4, 3, 0	4, 1, 2
	Sunshine ...	3, 3, 1	5, 2, 0	2, 4, 1	0, 5, 2	1, 4, 2	0, 3, 4	1, 6, 0	1, 6, 0	2, 3, 2	1, 5, 1	0, 6, 1	1, 1, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of 1° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27073—19) Wt 162—833/512 1/20 625 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr	%		°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																						
a, Islands ..	54	49	15th	23	11th	43·9	31·1	37·8	—	7	1·94	49	+ 27									
p Deerness, Orkney ..	165	50	17th	32	14th	43·7	36·9	40·4	—	7	1·27	32	—									
a Stornoway	51	53	15th	27	11th	46·0	35·4	40·9	+ 2·2	6	2·01	51	+ 24									
a Castlebay, Barra I. ..	27	—	—	—	—	—	—	—	—	—	—	—	—									
b, Mainland. a Wick	81	54	17th	29	14th	45·4	33·4	39·6	+ 2·2	6	0·71	18	+ 5									
a Strathpeffer	125	55	16th	19	11th	46·3	34·0	40·4	+ 3·8	4	1·35	34	+ 18									
p Glencarron	500	50	17th	23	11th	43·1	34·9	39·2	+ 2·7	7	3·88	99	+ 48									
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—									
p Fort William	171	52	17th	31	11th	44·6	36·7	40·8	+ 2·5	7	5·83	148	+100									
1. SCOTLAND, E.																						
a Nairn	82	53	16th	23	11th	45·4	34·6	40·2	+ 3·6	6	0·64	16	+ 6	Nairn	1·5	—	21	*	*	*	*	*	*
p Gordon Castle ..	101	56	17th	30	11th	46·4	36·0	41·4	+ 3·9	4	0·18	5	- 6	Gordon Castle..	1·6	—	23	*	*	*	*	*	*
a Aberdeen	46	56	17th	29	11th	45·7	35·4	40·8	+ 3·6	3	0·17	4	- 8	Aberdeen ..	1·8	+ 0·5	25	4	25	*	*	38·5	-1·9
a Balmoral	930	55	17th	24	11th	42·6	32·7	37·9	+ 4·2	6	0·34	9	- 5	Balmoral ..	*	*	*	5	19	*	*	*	*
p Crieff	432	54	16, 17	31	14th	45·3	34·7	40·2	+ 3·9	5	0·98	25	+ 4	Crathes	1·8	+ 0·4	25	5	22	33·4	- 2·1	36·1	-2·5
a Dundee	244	54	17th	29	15th	44·9	33·7	39·5	+ 3·1	5	0·65	17	+ 6	Dundee	1·7	—	24	5	26	31·7	*	*	*
a Leith	30	57	17th	32	14th	48·3	37·1	42·9	+ 4·3	5	0·80	20	+ 11	Leith	*	*	*	2	29	*	*	*	*
p Edinburgh	441	56	17th	31	14th	46·1	36·6	41·5	+ 4·1	5	0·78	20	+ 11	Edinburgh ..	1·5	+ 0·1	21	1	27	*	*	*	*
a West Linton	769	53	17th	25	14th	45·4	34·3	40·1	+ 6·5	5	0·49	12	—	West Linton ..	0·8	—	11	2	25	*	*	*	*
p Marchmont	498	53	16th	28	14th	45·1	34·0	39·8	+ 4·0	5	0·82	21	+ 9	Marchmont ..	1·7	+ 0·5	23	*	*	*	*	*	*
6. a, SCOTLAND, W.																						
a Ford (Argyll)	149	53	16, 17	32	14th	48·2	37·0	42·8	—	7	3·27	83	—	Ford (Argyll) ..	*	*	*	—	—	36·7	—	38·7	—
p Glasgow Observatory	180	54	17th	33	14th	46·4	37·4	42·1	+ 3·7	6	1·17	30	+ 13	Glasgow.. ..	0·5	- 0·1	7	2	24	*	*	*	*
p Rothesay	200	55	17th	33	14th	47·0	37·9	42·6	+ 3·3	7	1·54	39	+ 16	Rothesay ..	0·6	—	8	2	25	38·3	—	40·1	-2·7
a Kilmarnock	99	55	17th	29	14th	48·6	38·0	43·5	+ 6·2	6	1·58	40	+ 22	Kilmarnock ..	0·5	—	7	*	*	38·1	—	40·8	—
a Colmonell	170	55	17th	34	11, 14	50·1	39·0	44·8	+ 6·1	6	0·94	24	+ 2	Colmonell ..	*	*	*	0	31	*	*	*	*
p Cally, Gatehouse ..	120	53	17th	29	14th	46·7	37·9	42·5	+ 4·4	7	1·27	32	+ 9	Dumfries ..	1·5	—	20	1	24	37·8	-0·6	39·9	-1·6
p Dumfries	160	53	16, 17	31	14th	47·0	37·1	42·3	+ 4·6	6	1·19	30	+ 15	Eskdalemuir ..	1·0	—	14	3	24	*	*	*	*
a Eskdalemuir	794	51	17th	28	14, 15	44·1	34·3	39·4	—	7	2·31	59	—									
b, I. OF MAN p Douglas	277	54	17th	35	14th	49·7	39·3	44·7	+ 4·1	7	1·10	28	+ 10	Douglas	1·0	- 0·5	13	1	30	*	*	*	*
2. ENGLAND, N.E.																						
a North .. a Ainwick Castle ..	210	57	17th	32	14th	47·8	37·1	42·7	+ 5·1	5	0·75	19	+ 6									
a Tynemouth	118	55	17th	33	11, 15	47·4	36·9	42·4	+ 4·1	4	0·59	15	+ 5	Cockle Park ..	1·7	+ 0·3	23	1	30	36·3	-0·6	38·3	-1·9
p Durham	336	54	17th	31	14th	46·9	37·1	42·2	+ 5·5	3	0·41	10	0	Durham ..	2·1	+ 0·9	28	2	26	*	*	*	*
p Rounton	249	55	17th	31	14th	48·4	37·9	43·4	+ 6·7	4	0·53	13	+ 3	Rounton ..	*	*	*	4	20	36·7	*	*	*
a West Witton ..	605	53	17th	31	14th	47·7	36·7	42·4	—	6	1·09	28	—	West Witton ..	*	*	*	2	27	36·1	—	38·9	—
p Scarborough	100	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough† ..	—	—	—	*	*	*	*	*	*
p York	56	57	16, 17	33	14th	50·1	38·7	44·6	+ 7·0	3	0·28	7	- 3	York	1·2	+ 0·4	15	—	—	38·6	-0·5	41·0	-1·6
b, South .. a Spurn Head	26	52	16, 17	34	11th	47·7	36·1	42·1	+ 3·9	3	0·25	6	- 2	Spurn Head ..	*	*	*	*	*	*	*	*	*
a Lincoln	58	55	12, 16	35	14, 15	51·3	40·0	45·9	+ 9·0	3	0·26	6	- 4	Lincoln	*	*	*	2	29	39·5	+2·2	41·1	-1·0
a Fulbeck	180	55	16th	33	15th	50·9	39·7	45·5	+ 8·7	5	0·26	7	- 3	Fulbeck ..	1·8	+ 0·4	23	*	*	—	—	—	—
														Skegness ..	1·9	+ 0·3	24	*	*	*	*	*	*
3. ENGLAND, E.																						
p Cromer	196	54	12th	30	15th	49·9	35·7	43·1	+ 5·7	7	0·30	8	0	Cromer	1·2	- 0·5	15	*	*	*	*	*	*
a Little Massingham ..	280	53	12th	31	15th	49·0	38·0	43·7	+ 7·3	6	0·32	3	- 3	Lit. Massingham	1·3	- 0·1	17	*	*	*	*	*	*
a Yarmouth	13	55	12th	34	11, 15	50·4	38·6	44·7	+ 7·4	5	0·77	20	+ 10	Yarmouth ..	1·5	—	19	0	36	40·9	+1·9	42·7	-1·2
a Norwich	93	54	12, 16	31	15th	50·1	40·4	45·4	+ 8·5	5	0·66	17	+ 6	Norwich ..	1·1	—	14	1	24	39·2	*	*	*
a Geldeston	37	57	12th	31	15th	51·6	39·3	45·7	+ 8·1	3	0·49	12	+ 3	Geldeston ..	1·0	- 0·7	13	*	*	*	*	*	*
p Cambridge	41	56	13th	29	15th	52·6	36·9	45·1	+ 7·9	5	0·49	13	+ 5	Cambridge ..	1·0	- 0·6	13	1	21	41·3	+2·2	42·9	-0·7
a Clacton-on-Sea ..	54	53	12th	35	15th	50·1	41·0	45·7	+ 8·3	3	0·50	13	+ 6	Clacton	1·2	- 0·5	15	1	28	41·3	+0·7	43·2	-1·9
a Rothamsted	424	55	12th	30	15th	50·4	39·7	45·3	+ 8·5	6	0·51	13	+ 2	Rothamsted ..	1·1	- 0·5	13	1	24	40·9	*	*	*
p Tottenham	51	57	13th	38	14th	53·0	44·1	48·7	—	4	0·43	11	—	Tottenham ..	0·8	—	10	0	34	*	*	43·9	-1·2
														S'thend-on-Sea	1·3	—	16	0	32	41·3	+2·2	—	—
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	55	17th	31	14th	48·4	37·1	43·0	+ 6·9	7	0·81	21	+ 9	Harrogate ..	1·1	- 0·4	14	2	27	35·6	- 0·3	39·7	-1·3
p Sheffield	429	57	16th	34	14th	52·1	40·1	46·3	—	5	0·82	21	—	Sheffield.. ..	1·8	+ 0·6	23	2	28	39·2	+0·8	41·2	-1·4
p Buxton	987	52	16th	30	14th	47·3	37·3	42·5	—	5	1·09	28	—	Buxton	1·5	—	19	2	27	37·4	-0·8	39·4	-3·4
b, East .. a Worksop	56	57	16th	32	15th	52·4	38·6	45·8	+ 9·0	4	0·40	10	+ 1	Worksop ..	1·8	+ 0·8	24	3	22	39·3	—	40·6	—
a Nottingham	82	56	12, 16	35	15th	51·7	39·7	45·9	+ 8·9	5	0·38	10	+ 1	Nottingham ..	0·6	- 0·4	8	2	26	40·8	+3·1	39·7	-1·3
p Birmingham, Edgbsn.	535	54	13th	34	14th	51·0	40·3	45·9	+ 8·8	5	0·25	6	- 4	Birmingham ..	1·5	+ 0·5	19	1	29	41·9	+1·5	43·8	-1·2
a Raunds	203	56	11, 16	32	15th	52·3	39·9	46·4	+10·4	5	0·25	6	- 2	Raunds	1·4	—	18	2	25	40·1	—	42·6	—
p Oxford	268	55	12, 13, 16	36	14th	52·7	42·9	48·0	+10·2	4	0·57	14	+ 5	Oxford	1·2	- 0·3	15	0	32	*	*	*	*
														Malvern	1·5	—	18	1	30	40·9	—	41·9	—
c, West .. a Cheadle (N. Staffs.) ..	646	53	15th	31	14, 15	49·3	36·3	43·1	+ 7·2	4	0·39	10	- 3	Cheadle	*	*	*	2	28	*	*	*	*
p Tenbury	313	56	13, 15, 16	34	14th	53·0	41·3	47·4	+ 9·3	5	0·38	10	+ 1	Tenbury	*	*	*	1	28	41·1	—	—	—
a Hereford	291	57	15, 16	34	15th	53·0	40·3	46·9	+ 9·6	3	0·30	8	- 3	Ross-on-Wye ..	1·9	—	23	2	27	—	—	—	—
a Clifton	220	55	16th	37	14th	51·4	43·0	47·4	+ 8·4	7	0·67	17	+ 1	Clifton	1·0	—	12	0	32	*	*	*	*
5. ENGLAND, S.E.																						
a Marlborough	424	56	16th	33	15th	51·0	41·7	46·5	+ 9·5	4	0·39	10	- 4	Worthing	1·1	- 0·8	14	1	26	42·7	+2·2	44·0	-1·4
p Salisbury (Wilton) ..	180	57	16th	34	14th	53·3	43·1	48·4	+10·9	5	0·74	19	+ 3	Marlborough ..	1·0	- 0·3	13	2	28	42·9	—	44·0	—
a Wisley, Surrey ..	150	56	16th	34	15th	52·1	42·6	47·5	+ 9·7	5	0·46	12	+ 2	Salisbury	*	*	*	0	31	42·8	—	*	*
a Tunbridge Wells ..	354	54	12th	31	15th	50·1	41·1	45·8	+ 8·4	4	0·62	16	+ 2	Wisley	1·1	- 0·5	14	1	20	42·5	+2·6	43·5	-0·4
a Margate	51	55	12th	36	15th	51·6	42·6	47·3	+ 8·4	3	0·46	12	+ 3	Tunbridge Wells	0·6	- 1·0	7	1	21	42·7	+4·5	43·7	—
														Margate	1·2	- 0·4	14	1	29	43·2	+2·0	43·7	-0·7
a Dungeness	21	50	11, 12	34	15th	47·9	41·9	45·0	+ 6·0	6	0·89	23	+ 12	Folkestone ..	?0·1	—	1	*	*	*	*	44·8	—
p St. Leonards	178	52	13th	36	14, 15	49·6	42·4	46·1	+ 6·9	7	0·76	19	+ 6	St. Leonards ..	1·0	- 1·0	12	1	28	42·5	—	43·4	—
p Southampton	64	54	13, 16	38	14th	51·7	43·7	47·9	+ 8·2	6	0·65	17	+ 2	Southampton ..	1·0	- 0·6	13	0	32	*	*	*	*
a Ventnor	59	52	13th	36	15th	49·7	43·0	46·5	+ 5·2	7	1·16	29	+ 15	Ventnor	1·1	- 0·8	13	*	*	*	*	*	*
LONDON. a Richmond (Kew Obs.)	18	57	12th	36	15th	51·6	43·9	47·9	+ 9·5	4	0·60	15	+ 5	Richmond	1·1	- 0·3	13	1	25	42·6	+2·8	43·2	-1·4
a Westminster	27	56	16th	35	15th	51·5	43·0	47·4	+ 8·2	4	0·46	12	+ 3	Westminster ..	0·8	- 0·8	10	1	26	*	*	*	*
ag Greenwich	149	56	16th	32	15th	51·7	41·7	46·9	+ 7·7	5	0·54	14	+ 5	Greenwich ..	1·1	- 0·1	13	1	20	*	*	*	*
a Hampstead	450	55	13th	36	14th	50·9	42·1	46·7	—	4	0·44	11	—	Hampstead ..	0·9	—	12	2	23	*	*	*	*
ag Camden Square ..	110	56	12th	36	15th	51·4	42·7	47·2	+ 8·8	4	0·43	11	+ 1	Camden Square	—	—	—	1	26	*	*	*	*
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	52	17th	28	14th	46·4	36·3	41·6	+ 3·9	7	0·88	22	+ 5	Aspatria.. ..	1·2	- 0·1	15	2	25	39·6	- 0·4	41·1	-2·8
p Newton Rigg	559	55	17th	28	14th	48·7	34·9	42·1	+ 5·6	5	1·20	31	+ 14	Newton Rigg ..	1·0	- 0·2	13	2	22	38·9	+0·2	40·0	-1·4
p Stonyhurst	375	54	17th	31	14th	48·0	38·0	43·2	+ 5·7	6	0·73	19	- 3	Stonyhurst ..	0·8	- 0·2	10	2	27	*	*	*	*
p Blackpool	66	53	16, 17	33	12th	48·3	38·9	43·8	+ 5·4	6	0·60	15	+ 1	Blackpool ..	1·1	- 0·3	14	2	23	41·2	—	43·7	—
a Southport	37	55	17th	36	14, 15	49·4	40·6	45·2	+ 6·8	5	0·52	13	0	Southport ..	1·8	+ 0·5	23	0	31	39·1	+1·2	40·0	-1·3
														Hoylake	2·1	+ 0·6	27	*	*	*	*	*	*
a Liverpool (Bidston) ..	188	55	17th	34	14th	51·7	40·1	46·1	+ 7·0	4	0·52	13	+ 2	Liverpool	2·0	—	25	1	30	*	*	*	*
a Hawarden Bridge ..	22	58	17th	31	13th	53·3	39·0	46·4	+ 6·7	4	0·36	9	0	Manchester(City)	0·1	- 0·3	1	0	31	39·9	+1·6	41·7	-1·8
p Mancnester (Whit. Pk.)	126	57	16th	33	14th	51·1	40·4	46·0	+ 7·2	5	0·59	15	+ 2	Whitworth Park	0·6	+ 0·1	8	*	*	*	*	*	*
b, NORTH WALES.																						
p Llandudno	16	59	17th	37	13, 14	?51·9	41·4	?46·9	+ 5·7	5	0·67	17	+ 4	Llandudno ..	1·8	+ 0·2	23	*	*	*	*	*	*
a Holyhead	15	50	12, 15–17	38	14th	49·0	41·4	45·4	+ 3·8	7	0·96	24	+ 8	Holyhead ..	1·3	—	16	0	31	*	*	*	*
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—									
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
8. *a*, SOUTH WALES.	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	53	16th	36	14th	50·0	40·9	45·6	—	6	0·50	13	—	Aberystwyth ..	0·7	- 0·9	9	•	•	•	•	•	•
a Rhayader	757	53	12, 16	31	14th	50·4	38·0	44·5	—	6	0·83	21	—	Rhayader ..	1·7	—	22	1	23	•	•	•	•
a St. Ann's Head	149	52	12th	35	15th	49·4	43·0	46·3	+ 4·1	7	0·80	20	+ 2	St. Ann's Head ..	0·9	- 0·7	11	•	•	•	•	•	•
p Cardiff	202	54	16th	36	14th	51·0	41·4	46·4	+ 8·0	7	1·39	35	+ 16	Cardiff	0·8	—	10	1	28	42·9	+2·6	43·7	-0·8
b, ENGLAND, S.W.																							
a Bath	66	59	12th	36	12th	54·7	41·4	48·3	+ 9·5	5	0·65	17	+ 4	Bath	1·0	- 0·5	12	—	—	43·2	+2·7	44·1	-0·2
a Shaftesbury	722	54	12th	34	14th	50·0	40·3	45·3	+ 8·2	6	0·99	25	+ 11	Shaftesbury ..	•	•	•	•	•	41·8	—	43·0	—
a Arlington	613	54	16th	36	14, 15	50·0	41·8	46·1	+ 7·4	6	2·00	51	+ 25										
a Newquay	190	56	16th	43	14, 15	52·2	45·4	48·9	+ 5·9	6	0·99	25	+ 9	Newquay ..	0·5	- 1·3	6	—	—	46·5	—	46·8	—
a Cullompton	202	60	16th	36	14th	53·6	42·7	48·4	+ 9·2	5	0·78	20	+ 3	Cullompton ..	1·0	- 0·4	12	1	28	44·5	•	•	•
a Portland Bill	19	53	11, 13	40	15th	50·4	43·9	47·3	+ 5·5	7	1·18	30	+ 18	Weymouth ..	0·9	—	11	•	•	•	•	•	•
p Plymouth	116	53	13th	39	14th	51·3	44·4	48·0	+ 6·2	7	1·39	35	+ 17	Plymouth ..	0·5	- 1·2	6	0	32	45·3	+2·4	46·0	—
a Falmouth	167	54	16th	37	15th	51·7	44·3	48·2	+ 5·3	7	1·62	41	+ 18	Falmouth ..	0·5	- 1·3	7	0	40	46·0	—	46·2	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	54	12th	34	12th	51·9	40·1	46·2	—	7	2·17	55	—	Mallarany ..	0·8	—	11	0	34	•	•	•	•
a West .. *a* Malin Head	208	54	14, 16	35	11, 12, 15	49·9	38·6	44·5	+ 4·1	6	1·06	27	+ 12	Malin Head ..	1·2	—	16	•	•	•	•	•	•
a West .. *a* Blacksod Point ..	37	54	15-17	33	14, 15	51·9	39·0	45·7	+ 3·6	6	1·50	38	+ 9	Markree Castle	0·9	- 0·3	12	1	24	41·3	-0·3	43·4	-1·6
a West .. *p* Markree Castle ..	122	56	17th	29	14th	51·4	38·3	45·1	+ 6·0	7	1·18	30	+ 7										
b, East .. *p* Armagh	196	57	17th	31	14th	50·1	38·9	44·7	+ 5·9	7	0·80	20	+ 5	Armagh	0·9	- 0·3	12	1	21	40·6	+0·1	42·4	-1·3
b, East .. *a* Donaghadee	39	59	17th	32	14, 15	51·1	38·3	45·0	+ 5·0	5	0·72	18	+ 3										
10. IRELAND, S.																							
p Dublin, City	47	61	17th	33	14th	54·1	42·1	48·3	+ 7·0	5	0·74	19	+ 6	Trinity Coll. ..	1·2	—	15	2	24	42·7	+1·4	44·2	-0·3
a Birr Castle	175	59	17th	32	14th	52·1	39·4	46·0	+ 6·7	5	0·95	24	+ 8	Phœnix Park ..	1·6	- 0·1	21	1	22	•	•	•	•
a Kilkenny	195	58	17th	30	14, 15	52·6	39·6	46·4	+ 7·0	6	0·43	11	- 7	Dublin City ..	•	•	•	1	28	•	•	•	•
a Waterford	137	56	16th	32	14th	51·9	41·0	46·7	+ 5·5	6	0·48	12	- 9	Birr Castle ..	1·3	- 0·2	16	1	25	•	•	•	•
p Seskin, Carrick-on-Suir	535	56	12, 17	33	14th	52·1	40·6	46·6	—	5	0·65	17	—	Seskin	1·9	—	24	1	27	•	•	•	•
a Cahir	199	56	17th	31	14th	50·9	39·3	44·9	+ 4·9	5	0·78	20	—										
a Foynes	50	59	17th	37	14th	53·3	43·1	48·4	+ 7·0	5	1·02	26	+ 4										
a Cahirciveen (Val. Obs.)	30	56	12th	36	14-16	52·3	41·6	47·2	+ 3·4	7	1·34	34	+ 2	Cahirciveen ..	0·3	- 1·1	4	0	34	•	•	•	•
a Killarney	174	59	17th	36	14th	52·2	42·9	47·7	+ 5·6	7	0·75	19	- 16	Ballinacurra ..	—	—	—	•	•	•	•	•	•
a Roche's Point	32	55	17th	37	15th	51·3	43·1	47·4	+ 4·4	7	0·75	19	- 5										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	11, 12, 16	44	15th	51·3	46·9	49·2	+ 3·9	7	0·69	17	- 1	Scilly	0·1	- 1·7	1	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	54	12th	36	17th	50·4	44·6	47·6	+ 5·1	4	1·50	38	+ 21	St. Heliers ..	1·5	- 0·5	18	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	53	11, 16	41	17th	51·1	45·6	48·5	+ 5·5	7	1·25	32	+ 14	Guernsey† ..	1·4	- 0·4	17	0	32	46·7	+2·3	47·2	-0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 17th, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
0. SCOTLAND, N.	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m.
Deerness (Cup Anr.)** ..	188	16	5	—	—	10 to 16	38	77	44	9	0	145	17	11	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	20	101	28	19	300	7	12	6	24	17	16	45
Aberdeen	153	105	52	—	—	12, 14	6	52	90	20	0	295	12	14	7	31	17	16	30
Edinburgh	485	39	31	—	—	12, 15 to 17	54	80	24	10	0	200	16	17	14	28	16	23	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	16, 17	16	11, 12, 14 to 17	45	66	35	6	0	240	21	16	23	30	16	16	20
Paisley	188	81	15	—	—	12, 17	4	86	73	5	0	280	13	12	2	30	12	2	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	16, 17	12	53	73	20	10	240	14	17	16	26	17	16	45
South Shields	72	61	12	—	—	11, 12, 17	18	60	80	10	0	285	17	12	4	26	17	16	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	11	3	11 to 14	33	102	30	0	0	225	20	11	11	28	11	18	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	11 to 14	35	79	50	4	0	245	15	11	23	27	12	0	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	11 to 14	28	71	65	4	0	—	17	11	11	27	11	11	15
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument under adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	11 to 14	31	11 to 17	29	89	19	0	0	250	21	11	17	30	11	16	35
Richmond (Kew Obs.)..	82	65	22	—	—	11, 12	13	75	74	6	0	225	14	11	10	27	12	1	5
7. ENGLAND, N.W.																			
Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	11 to 14	10	11 to 14, 16, 17	40	68	35	0	15	260	22	12	4	—	—	—	—
Southport	80	62	48	11 to 14, 16	24	11 to 17	61	62	20	1	0	250	25	11	21	33	11	19	35
Holyhead	60	40	‡	11 to 14	19	11 to 17	49	93	7	0	0	245	23	11	22	37	11	22	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	11, 12	32	11 to 15, 17	45	62	22	7	0	240	26	11	8	33	11	8	30
Plymouth	185	88	2	11	11	11, 12	27	44	79	7	0	—	22	11	9	34	11	9	15
Lyme Regis	556	61	‡	—	—	11 to 13	36	51	68	13	0	—	16	11	22	26	11	22	20
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	11 to 13, 17	18	11 to 14, 16, 17	63	46	37	4	0	245	24	12	24	—	—	—	—
Quilty	100	40	‡	11, 12	22	11 to 14, 16, 17	68	70	8	0	0	—	23	11	16	32	11	15	35
Cahirciveen (Val. Obs.)	98	41	‡	11, 12	13	11 to 14, 16, 17	38	101	14	2	0	260	20	11	16	31	11	14	55
Weaver Pt.	160	30	‡	12	1	11, 12, 15 to 17	54	75	27	2	9	—	17	12	20	28	11	13	55
11 ENGLISH CHANNEL																			
Scilly	150	32	‡	11	5	11 to 14	47	49	53	11	0	275	20	11	14	30	11	14	20

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory
* Above tops of trees
** For Deerness the week ends at midnight on Friday.

VI.—DISTRICT-VALUES OF TEMPERATURE, RAINFALL, SUNSHINE-DURATION AND PRESSURE.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SECOND WEEK of 1920—January 11th to January 17th, 1920

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 43°	Deviation from Normal.								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	19	80·2	74·3	77·3	+ 1·2	8	+ 3	3)	− 7	6	+ 1	2·62	67	+ 38	0·6	−0·2	8	997
Eastern.																			
1. SCOTLAND, EAST ...	57	23	80·5	74·6	77·7	+ 2·2	10	+ 6	29	−15	5	+ 1	0·55	14	+ 1	1·7	+0·5	23	1000
2. ENGLAND, N.E.	57	31	82·3	76·3	79·4	+ 3·2	28	+ 22	11	−26	4	0	0·39	10	0	1·7	+0·6	23	1008
3. ENGLAND, EAST ...	57	29	83·4	77·1	80·4	+ 4·5	34	+ 27	8	−33	5	+ 1	0·50	13	+ 3	1·0	−0·6	13	1014
4. MIDLAND COUNTIES ...	57	31	83·8	77·4	80·8	+ 5·0	37	+ 29	6	−37	5	+ 1	0·44	11	0	1·4	+0·1	12	1014
5. ENGLAND, S.E.	57	31	83·5	78·9	81·3	+ 4·5	34	+ 23	0	−34	5	+ 1	0·67	17	+ 5	0·9	−0·7	11	1016
Western.																			
6. SCOTLAND, WEST ...	55	29	81·9	76·3	79·2	+ 2·3	25	+ 18	11	−20	7	+ 3	1·51	38	+ 15	0·8	−0·3	11	1005
7. ENGLAND, N.W.	59	28	82·9	76·9	80·1	+ 3·2	32	+ 23	8	−22	5	+ 1	0·72	18	+ 3	1·4	+0·2	18	1010
8. ENGLAND, S.W.	60	31	83·7	78·6	81·3	+ 3·6	34	+ 20	0	−24	6	+ 2	1·16	29	+ 10	0·9	−0·7	11	1016
9. IRELAND, NORTH ...	59	29	83·6	76·8	80·3	+ 2·9	36	+ 25	9	−18	6	+ 1	1·04	26	+ 6	0·9	−0·3	12	1004
10. IRELAND, SOUTH ...	61	30	84·2	78·2	81·3	+ 3·1	38	+ 21	2	−19	6	+ 2	0·80	20	− 3	1·1	−0·5	14	1012
11. ENGLISH CHANNEL ...	54	36	83·5	80·6	81·9	+ 2·3	43	+ 21	0	−10	6	+ 1	1·15	29	+ 11	1·0	−0·9	12	1021

THE SEASON (Winter).—Aggregates, &c., for the Period of 7 Weeks, November 30th, 1919, to January 17th, 1920.

0. SCOTLAND, NORTH ...	55	19	78·8	73·7	76·3	− 0·4	28	− 25	238	+ 14	38	+ 1	11·30	287	+ 59	0·7	0·0	11	999
Eastern.																			
1. SCOTLAND, EAST ...	57	14	78·4	73·1	75·8	− 0·2	23	− 24	283	+ 6	34	+ 5	5·65	144	+ 28	1·4	+0·4	20	1002
2. ENGLAND, N.E.	57	23	79·8	74·4	77·2	+ 0·4	57	− 2	197	− 26	33	+ 5	4·19	107	+ 20	1·3	+0·1	17	1006
3. ENGLAND, EAST ...	57	20	80·8	74·6	77·8	+ 1·1	99	+ 29	187	− 53	36	+ 7	5·25	133	+ 46	1·2	−0·2	16	1010
4. MIDLAND COUNTIES ...	57	17	80·9	74·9	78·1	+ 1·5	116	+ 41	164	− 91	35	+ 6	5·68	144	+ 41	1·2	0·0	15	1009
5. ENGLAND, S.E.	57	17	81·6	75·7	78·8	+ 1·1	147	+ 40	127	− 53	36	+ 8	6·65	170	+ 57	1·2	−0·3	15	1011
Western.																			
6. SCOTLAND, WEST ...	55	19	79·9	74·9	77·5	+ 0·1	64	− 12	163	− 13	41	+ 8	12·19	310	+101	1·2	+0·3	16	1004
7. ENGLAND, N.W.	59	24	80·8	75·8	78·4	+ 0·9	107	+ 24	128	− 50	36	+ 6	7·22	182	+ 44	1·1	+0·1	15	1007
8. ENGLAND, S.W.	60	17	82·1	76·6	79·5	+ 0·9	174	+ 43	78	− 51	42	+ 9	10·92	275	+ 92	1·5	+0·1	19	1011
9. IRELAND, NORTH ...	59	20	81·6	75·4	78·6	+ 0·7	146	+ 50	137	− 20	44	+ 8	9·72	247	+ 91	1·1	−0·1	15	1003
10. IRELAND, SOUTH ...	61	22	82·5	76·4	79·6	+ 0·7	187	+ 38	96	− 24	42	+ 8	8·59	217	+ 34	1·5	0·0	19	1008
11. ENGLISH CHANNEL ...	54	29	82·9	79·0	81·0	+ 0·5	242	+ 30	14	− 30	41	+ 5	7·72	196	+ 38	1·5	−0·3	19	1014

THE YEAR 1920.—Aggregates, &c., for the Period of 2 Weeks, January 4th to January 17th, 1920.

0. SCOTLAND, NORTH ...	55	19	79·3	73·4	76·5	+ 0·2	8	− 3	68	− 4	11	+ 1	4·67	119	+61	0·6	−0·1	9	1000
Eastern.																			
1. SCOTLAND, EAST ...	57	19	79·1	73·4	76·4	+ 0·8	10	0	74	−12	9	+ 1	1·26	32	+ 5	1·2	+0·1	17	1003
2. ENGLAND, N.E.	57	24	80·7	74·5	77·7	+ 1·4	31	+18	50	−22	8	0	1·05	27	+ 4	1·6	+0·5	21	1008
3. ENGLAND, EAST ...	57	20	81·5	74·7	78·2	+ 2·1	39	+23	51	−29	8	0	1·05	27	+ 4	1·4	−0·1	18	1012
4. MIDLAND COUNTIES ...	57	20	81·7	74·8	78·4	+ 2·4	42	+25	49	−34	9	+ 1	1·43	36	+10	1·4	+0·2	17	1012
5. ENGLAND, S.E.	57	17	81·7	75·9	78·9	+ 1·9	40	+16	40	−23	9	+ 1	1·60	41	+15	1·4	−0·1	17	1014
Western.																			
6. SCOTLAND, WEST ...	55	23	80·3	74·8	77·7	+ 0·7	26	+10	45	−15	12	+ 3	2·96	75	+24	0·9	−0·1	12	1006
7. ENGLAND, N.W.	59	25	81·2	75·3	78·4	+ 1·4	37	+18	42	−16	9	+ 1	1·73	44	+10	1·0	−0·1	13	1010
8. ENGLAND, S.W.	60	17	82·0	76·1	79·2	+ 1·2	43	+12	35	−11	10	+ 1	2·86	72	+30	1·5	0·0	19	1014
9. IRELAND, NORTH ...	59	25	82·1	75·4	78·9	+ 1·3	46	+22	43	− 9	11	+ 1	2·29	58	+17	0·8	−0·5	10	1006
10. IRELAND, SOUTH ...	61	22	83·0	76·4	79·8	+ 1·4	54	+17	33	− 7	11	+ 2	2·10	53	+ 5	1·3	−0·2	17	1012
11. ENGLISH CHANNEL ...	54	29	82·6	78·5	80·5	+ 0·6	67	+18	11	− 8	10	0	1·83	46	+ 8	1·7	−0·2	21	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: January 23rd, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

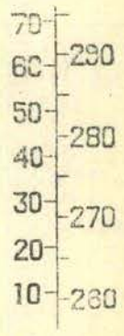
FORTY-THIRD YEAR. *Vol. XXXVII. (New Series.)* } No. 3.

THIRD WEEK, SUNDAY, JANUARY 18TH TO SATURDAY, JANUARY 24TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week the weather over the British Isles was dull, rainy and very mild, with a South-westerly current of strong winds. These conditions were associated with a depression which was off our north-west coasts on Sunday and which travelled away north-eastwards to Scandinavia. A general rise of the barometer took place in the rear of this system and on Monday the weather was much cooler. The temperatures of Sunday were the highest of the week, and exceeded 283 a in all Districts except Scotland N., the actual highest being 287 a at Fulbeck, Hawarden Bridge (Chester), and Bath. The change on Monday chiefly affected the northern districts where many of the maxima were from 6 a to 9 a lower than on Sunday; at several of the Scottish stations the thermometer did not exceed 275 a; the cold day was succeeded by minima of 271 a in the screen and 268 a on the grass. The wind backed to West and rather high temperatures subsequently prevailed. Mean temperature for the week was above the normal in all districts; over Scotland the excess was small, but over England and Ireland generally it was about 2 a or 3 a. The total rainfall was more than the normal over Scotland, Ireland and also in England N.E. and N.W. but in the other English Districts it was below, although the number of days on which rain fell were more numerous than usual. In the northern and western districts the sunshine records were rather large, in many places exceeding the normal by 0·5 hr. to 1 hr. per day. Thunder and lightning occurred in the West of Scotland on one or two occasions. At Oxford a faint solar halo was observed on the 23rd, and the Zodiacal Light at the same station on the 18th, 19th and 21st.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	16	6·5	24	5·4	20	4·5	18	3·8	16	7·6	18	4·6	22	4·5	21	4·7
North	8	3·6	2	1·1	6	3·6	7	1·8	9	4·5	10	5·5	3	3·1	7	2·6
West	23	7·2	23	6·2	26	5·2	26	3·2	26	6·7	28	6·9	24	6·2	25	5·4
East	4	2·8	1	1·7	0	—	0	—	0	—	0	—	0	—	0	—
Calm	1	—	0	—	0	—	2	—	0	—	0	—	2	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual
Rainfall ...	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Heavy	Heavy	Light	Heavy	Heavy	Moderate
Sunshine ...	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 8 weeks from Nov. 30th, 1919. Warmth ...	0, 6, 2	2, 4, 2	2, 6, 0	6, 2, 0	5, 3, 0	5, 2, 1	2, 6, 0	4, 4, 0	5, 2, 1	5, 3, 0	4, 2, 2	5, 2, 1
Rainfall ...	3, 4, 1	2, 6, 0	4, 4, 0	5, 3, 0	5, 2, 1	4, 2, 2	7, 1, 0	4, 3, 1	5, 2, 1	7, 1, 0	5, 3, 0	4, 2, 2
Sunshine ...	3, 4, 1	6, 2, 0	3, 4, 1	0, 6, 2	1, 5, 2	0, 4, 4	2, 6, 0	2, 6, 0	2, 4, 2	2, 5, 1	1, 6, 1	1, 2, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27174—19) Wt 162—833/512 1/20 625. H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gge.	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of in Days	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	46	18, 19	31	22nd	43·9	37·1	40·6	+ 0·9	7	1·18	30	+ 5										
p Deerness, Orkney	165	46	24th	33	19th	42·9	35·0	39·1	—	6	0·93	24	+ 3	Deerness	0·6	- 0·3	9	•	•	•	•	•	•
a Stornoway	51	49	18th	—	—	44·6	—	—	—	7	1·38	35	+ 4	Stornoway	1·2	+ 0·4	17	•	•	•	•	•	•
a Castlebay, Barra I.	7	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	•	•	•	•	•	•
b, Mainland. a Wick	81	49	18th	30	20th	42·6	33·1	38·0	- 0·6	5	0·71	18	+ 4										
a Strathpeffer	125	49	18th	29	20, 22	42·6	30·9	37·0	- 1·0	4	0·97	25	+ 6										
p Glencarron	500	49	18th	32	19th	43·7	33·9	39·0	+ 1·2	7	2·30	58	- 2										
a Fort Augustus	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	47	18, 22	33	19, 20	45·0	35·3	40·3	+ 0·7	7	2·20	56	- 1										
1. SCOTLAND, E.																							
a Nairn	82	50	18th	32	20, 22–24	43·7	33·6	38·9	+ 0·8	6	0·63	16	+ 4	Nairn	1·4	—	19	•	•	•	•	•	•
p Gordon Castle	101	54	18th	32	19th	43·7	34·4	39·2	+ 0·2	4	0·24	6	- 6	Gordon Castle	1·8	—	24	•	•	•	•	•	•
a Aberdeen	46	50	18th	33	23, 24	44·0	34·7	39·5	+ 0·8	3	0·30	8	- 5	Aberdeen	2·2	+ 0·5	29	5	25	•	•	38·6	- 1·4
a Balmoral	930	51	18th	26	22nd	41·6	31·7	36·9	+ 1·7	6	0·57	14	- 2	Balmoral	•	•	•	4	23	•	•	•	•
p Crieff	432	49	18th	30	20th	44·3	32·9	38·8	+ 1·0	5	1·24	31	+ 7	Crathes	2·6	+ 0·7	35	6	20	33·2	- 2·0	36·0	- 2·1
a Dundee	244	51	18th	28	22nd	44·7	32·0	38·6	+ 0·7	4	0·66	17	+ 5	Dundee	2·3	—	31	5	22	34·7	•	•	•
a Leith	30	54	18th	34	20th	46·9	36·3	41·8	+ 1·8	6	0·76	19	+ 9	Leith	•	•	•	2	28	•	•	•	•
p Edinburgh	441	52	18th	33	19, 20	46·1	35·1	40·8	+ 2·0	5	0·65	16	+ 6	Edinburgh	1·8	+ 0·1	24	1	30	•	•	•	•
a West Linton	769	48	18th	28	20th	43·0	32·3	37·9	+ 2·8	7	1·39	35	—	West Linton	1·1	—	15	5	21	•	•	•	•
p Marchmont	498	50	18th	30	18, 21, 22	44·3	31·9	38·4	+ 1·1	5	0·50	13	0	Marchmont	1·8	+ 0·4	24	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	49	18th	31	20, 22	45·1	34·9	40·2	—	7	1·83	46	—	Ford (Argyll)	•	•	•	—	—	38·8	—	39·2	—
p Glasgow Observatory	180	51	18th	33	19th	45·7	36·1	41·1	+ 1·8	6	1·60	41	+ 22	Glasgow	1·4	+ 0·7	19	2	27	•	•	•	•
p Rothesay	200	50	18th	32	19th	45·9	35·0	40·7	+ 0·5	7	1·63	41	+ 15	Rothesay	1·5	—	20	4	27	39·4	—	41·0	- 1·4
a Kilmarnock	90	52	18th	34	20th	46·3	36·3	41·5	+ 3·3	7	1·67	42	+ 21	Kilmarnock	1·4	—	18	•	•	39·9	—	41·2	—
a Colmonell	170	52	18th	34	20th	47·0	37·9	42·6	+ 3·2	7	1·94	49	+ 24	Colmonell	•	•	•	0	33	•	•	•	•
p Cally, Gatehouse	120	49	18th	33	19, 22	46·0	35·0	40·7	+ 1·7	7	1·92	49	+ 23	Dumfries	1·7	—	22	4	28	39·6	+2·1	40·8	- 0·2
p Dumfries	160	51	18th	33	19th	46·1	35·3	40·9	+ 2·5	6	1·89	48	+ 31	Eskdalemuir	1·7	—	23	5	23	•	•	•	•
a Eskdalemuir	794	51	18th	28	22nd	43·3	32·3	38·0	—	7	2·50	64	—										
b, I. OF MAN p Douglas	277	49	18, 21	37	19th	47·0	38·6	43·0	+ 1·5	7	1·23	31	+ 11	Douglas	2·6	+ 1·1	33	0	31	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Ainwick Castle	210	52	18th	34	20th	46·7	35·9	41·5	+ 3·2	5	0·43	11	+ 1										
a Tynemouth	118	54	18th	35	20–22	46·6	36·9	41·9	+ 3·0	3	0·48	12	+ 5	Cockle Park	2·1	+ 0·4	27	3	27	37·7	+1·3	39·7	- 0·1
p Durham	338	53	18th	32	22nd	48·0	35·0	41·8	+ 4·4	4	0·35	9	+ 2	Durham	2·7	+ 1·3	35	4	23	•	•	•	•
p Rounton	249	52	18th	30	22nd	47·7	34·0	41·1	+ 3·8	5	0·70	18	+ 11	Rounton	•	•	•	7	18	38·3	•	•	•
a West Witton	605	52	18th	32	22nd	45·0	36·0	40·7	—	6	0·47	12	—	West Witton	•	•	•	3	25	38·7	—	39·5	—
p Scarborough	100	—	—	—	—	—	—	—	—	—	—	—	—	Scarborough†	—	—	—	•	•	•	•	•	•
p York	56	56	18th	34	22nd	49·6	37·9	44·0	+ 5·8	5	0·26	7	- 1	York	1·6	+ 0·6	20	—	—	40·4	+1·9	41·5	- 0·6
b, South .. a Spurn Head	26	53	18th	34	23rd	45·6	36·0	41·0	+ 2·3	5	0·43	11	+ 5	Spurn Head	•	•	•	•	•	•	•	•	•
a Lincoln	58	56	18th	33	22nd	47·7	38·0	43·0	+ 5·6	4	0·25	6	- 2	Lincoln	•	•	•	2	28	40·8	+4·1	41·9	+0·3
a Fulbeck	180	57	18th	32	22nd	49·0	36·9	43·2	+ 5·8	6	0·31	8	0	Fulbeck	1·4	- 0·3	17	•	•	—	—	—	—
														Skegness	—	—	—	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	55	18th	29	22nd	47·1	35·0	41·3	+ 3·5	4	0·21	5	- 2	Cromer	1·8	+ 0·3	22	•	•	•	•	•	•
a Little Massingham	280	54	18th	30	22nd	45·9	35·1	40·7	+ 3·8	4	0·39	10	0	Lit. Massingham	0·8	- 0·5	10	•	•	•	•	•	•
a Yarmouth	13	55	18th	32	22, 23	47·4	37·3	42·6	+ 4·9	4	0·34	9	+ 1	Yarmouth	2·0	—	25	0	31	42·1	+4·1	44·0	+0·6
a Norwich	93	55	18th	30	22nd	47·3	37·3	42·5	+ 5·2	4	0·30	8	- 1	Norwich	1·8	—	22	4	23	40·1	•	•	•
a Geldeston	37	55	18th	29	22nd	48·9	36·9	43·1	+ 5·1	3	0·21	5	- 3	Geldeston	1·9	+ 0·4	24	•	•	•	•	•	•
p Cambridge	41	56	18th	28	22nd	49·4	37·9	43·9	+ 6·3	4	0·37	10	+ 3	Cambridge	1·4	0·0	17	3	21	42·3	+3·9	43·6	+0·5
a Clacton-on-Sea	54	52	18th	33	22, 23	46·6	37·7	42·3	+ 4·5	4	0·28	7	+ 1	Clacton	1·7	+ 0·1	20	1	27	41·6	+1·7	44·0	- 0·5
a Rothamsted	424	53	18th	29	22nd	46·4	37·1	41·9	+ 4·7	5	0·28	7	- 3	Rothamsted	1·1	- 0·4	13	2	23	41·5	•	•	•
p Tottenham	51	54	18th	33	22nd	49·6	40·2	45·1	—	3	0·19	5	—	Tottenham	0·6	—	7	1	30	•	•	44·9	+0·4
														S'thend-on-Sea	1·4	—	17	1	30	42·1	+3·7	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	53	18th	33	22nd	46·2	37·3	41·9	+ 5·0	4	0·24	6	- 6	Harrogate	1·7	+ 0·2	21	0	31	40·2	+2·0	40·8	+0·3
p Sheffield	429	56	18th	35	19, 22	49·1	38·3	43·9	—	6	0·33	9	—	Sheffield	1·3	0·0	16	1	29	40·6	+2·9	41·7	- 0·4
p Buxton	987	53	18th	33	19, 20, 22	45·1	37·0	41·2	—	6	0·96	25	+ 3	Buxton	0·4	—	5	1	28	39·4	+2·1	40·1	- 2·3
b, East .. a Worksop	56	56	18th	30	23rd	48·1	36·3	42·4	+ 4·8	5	0·15	4	- 5	Worksop	0·8	- 0·3	10	5	22	40·5	—	41·6	—
a Nottingham	82	56	18th	32	23rd	48·4	37·3	43·1	+ 5·3	4	0·24	6	- 3	Nottingham	0·4	- 0·7	4	3	25	40·9	+4·0	41·0	+0·6
p Birmingham, Edgbsn.	535	55	18th	33	22nd	49·1	37·9	43·7	+ 5·7	5	0·31	8	- 2	Birmingham	1·0	0·0	13	2	30	42·5	+2·9	44·1	- 0·5
a Raunds	203	55	18th	31	22nd	48·6	36·6	42·8	+ 6·0	4	0·28	7	0	Raunds	1·2	—	15	3	24	41·1	—	43·0	—
p Oxford	208	55	18th	32	22nd	50·0	38·6	44·5	+ 5·9	5	0·19	5	- 4	Oxford	1·3	- 0·3	16	4	25	•	•	•	•
														Malvern	1·7	—	21	1	30	41·9	—	42·9	—
c, West .. a Cheadle (N. Staffs.)	646	54	18th	33	22nd	45·6	36·1	41·0	+ 4·3	5	0·47	12	0	Cheadle	•	•	•	3	29	•	•	•	•
p Tenbury	313	54	18th	30	22nd	50·4	38·3	44·6	+ 5·7	5	0·25	6	- 2	Tenbury	•	•	•	2	26	42·1	—	—	—
a Hereford	291	56	18th	33	22nd	49·4	38·9	44·4	+ 6·3	4	0·09	2	- 8	Ross-on-Wye	1·7	—	20	3	27	—	—	—	—
a Clifton	229	54	18th	38	20, 22	48·7	42·3	45·6	+ 5·9	4	0·21	5	- 11	Clifton	2·1	—	25	0	32	•	•	•	•
														Worthing	1·8	- 0·1	21	2	26	42·8	+3·2	44·9	+0·1
5. ENGLAND, S.E.																							
a Marlborough	424	53	18th	29	21st	48·1	35·4	42·0	+ 4·4	6	0·22	6	- 8	Marlborough	1·0	- 0·2	12	2	25	43·1	—	44·8	—
p Salisbury (Wilton)	180	53	18, 19	31	22nd	50·0	40·3	45·3	+ 7·3	6	0·22	6	- 10	Salisbury	•	•	•	1	26	43·5	—	•	•
a Wisley, Surrey	150	53	18th	31	22nd	48·9	39·3	44·3	+ 6·0	4	0·21	5	- 5	Wisley	1·1	- 0·5	13	4	20	42·8	+3·9	44·3	+0·9
a Tunbridge Wells	354	51	18th	30	22nd	47·7	37·6	42·9	+ 5·1	5	0·20	5	- 9	Tunbridge Wells	1·1	- 0·5	13	2	20	42·9	+5·8	44·2	—
a Margate	51	53	18th	34	22nd	48·6	39·3	44·1	+ 4·7	3	0·24	6	- 3	Margate	1·8	+ 0·3	22	2	29	43·4	+3·2	44·7	+0·9
a Dungeness	21	49	21st	30	22nd	47·0	37·3	42·3	+ 2·9	3	0·20	5	- 5	Folkestone	1·6	—	19	•	•	•	•	44·9	—
p St. Leonards	178	50	18th	34	20, 22	48·1	39·0	43·7	+ 4·0	4	0·23	6	- 6	St. Leonards	1·9	+ 0·1	23	2	28	42·4	—	44·0	—
p Southampton	64	50	18, 21	31	22nd	48·7	39·6	44·3	+ 4·1	5	0·22	6	- 8	Southampton	1·1	- 0·5	13	2	22	•	•	•	•
a Ventnor	59	50	21st	37	20th	48·3	42·4	45·5	+ 3·7	5	0·30	8	- 6	Ventnor	1·3	- 0·5	15	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	54	18th	32	23rd	49·3	39·6	44·6	+ 5·6	5	0·18	5	- 5	Richmond	1·0	- 0·3	12	2	24	42·6	+3·9	44·2	+0·1
a Westminster	27	55	18th	31	22nd	50·6	39·6	45·3	+ 5·6	4	0·25	6	- 3	Westminster	0·8	+ 0·2	9	3	24	•	•	•	•
ag Greenwich	149	55	18th	30	22nd	49·4	38·9	44·4	+ 5·7	4	0·21	5	- 4	Greenwich	1·0	- 0·4	11	4	26	•	•	•	•
a Hampstead	450	51	18th	32	22nd	47·0	38·1	42·7	—	4	0·25	6	—	Hampstead	0·8	—	10	4	24	•	•	•	•
ag Camden Square	110	54	18th	30	22nd	49·0	39·4	44·4	+ 5·5	4	0·28	7	- 3	Camden Square	—	—	—	3	26	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	49	18th	32	19th	45·4	35·3	40·6	+ 2·3	6	1·81	46	+ 30	Aspatria	1·2	- 0·3	15	1	29	40·8	+1·5	42·0	-1·6
p Newton Rigg	559	51	18th	33	19, 22, 23	46·3	33·9	40·4	+ 3·2	6	0·99	25	+ 8	Newton Rigg	1·6	+ 0·3	20	6	25	39·9	+1·7	40·8	-0·1
p Stonyhurst	375	50	18th	36	22nd	46·6	39·0	43·0	+ 5·0	5	1·04	26	+ 3	Stonyhurst	1·1	+ 0·1	14	0	31	•	•	•	•
p Blackpool	66	50	18th	35	23rd	47·1	38·3	42·9	+ 4·0	6	0·92	23	+ 9	Blackpool	1·7	+ 0·1	21	0	31	42·4	—	43·9	—
a Southport	37	51	18th	35	23, 24	47·3	38·7	43·2	+ 4·3	5	0·85	22	+ 9	Southport	1·8	0·0	20	1	30	40·6	+3·5	41·0	+0·1
														Hoylake	2·0	+ 0·3	24	•	•	•	•	•	•
a Liverpool (Bidston)	188	54	18th	35	19th	48·7	39·9	44·5	+ 4·9	5	0·51	13	+ 2	Liverpool	1·7	—	20	0	31	•	•	•	•
a Hawarden Bridge	22	58	18th	36	23rd	50·7	40·7	45·9	+ 5·8	4	0·40	10	0	Manchester (City)	0·2	- 0·2	3	0	35	41·8	+3·7	42·6	-0·5
p Mancnester (Whit. Pk.)	125	56	18th	37	19, 22, 23	49·7	39·3	44·7	+ 5·4	5	0·85	22	+ 9	Whitworth Park	0·2	- 0·4	2	•	•	•	•	•	•
b NORTH WALES.																							
p Llandudno	16	56	18th	35	23rd	52·3	41·0	46·9	+ 5·3	4	0·72	18	+ 4	Llandudno	2·0	+ 0·2	25	•	•	•	•	•	•
a Holyhead	15	50	20th	39	23rd	47·4	41·1	44·4	+ 2·4	5	1·15	29	+ 14	Holyhead	2·3	—	29	0	31	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date,	Lowest.	Date,	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. *a* SOUTH WALES.																						
a Aberystwyth	59	51	18th	40	19, 22, 23	48·0	41·3	44·8	—	6	0·62	16	—	Aberystwyth ..	1·4	− 0·4	17	•	•	•	•	•	•
a Rhayader	757	52	18th	34	22, 23	46·6	38·6	42·8	—	6	0·61	16	—	Rhayader ..	1·1	—	14	2	27	•	•	•	•
a St. Ann's Head	149	50	18th	36	22nd	48·4	43·4	46·0	+ 3·2	6	0·27	7	− 9	St. Ann's Head ..	1·8	+ 0·1	21	•	•	•	•	•	•
p Cardiff	202	52	18, 20	34	24th	48·9	39·3	44·3	+ 5·3	5	0·19	5	− 13	Cardiff	2·5	—	29	1	28	43·3	+4·1	44·5	+0·6
b, ENGLAND, S.W.																						
a Bath	66	58	18th	34	22nd	51·4	40·3	46·1	+ 6·6	3	0·19	5	− 7	Bath	1·7	+ 0·3	21	—	—	44·3	+4·4	45·0	+0·4
a Shaftesbury	722	53	19th	34	20, 22	47·6	37·9	42·9	+ 5·1	6	0·28	7	− 6	Shaftesbury ..	•	•	•	•	•	43·0	—	44·3	—
a Arlington	613	52	18th	37	19, 20, 22	48·0	40·3	44·3	+ 5·0	5	0·75	19	− 5										
a Newquay	190	54	18th	36	22nd	50·1	43·4	46·9	+ 3·4	5	0·46	12	− 3	Newquay ..	2·4	+ 0·7	28	—	—	47·2	—	47·6	—
a Cullompton	202	56	18th	34	22nd	50·6	40·1	45·6	+ 5·7	4	0·20	5	− 11	Cullompton ..	1·5	+ 0·1	18	1	27	45·6	•	•	•
a Portland Bill	19	51	21st	40	20th	49·6	43·4	46·6	+ 4·4	5	0·18	5	− 6	Weymouth ..	1·2	—	14	•	•	•	•	•	•
p Plymouth	116	52	20th	36	22nd	50·7	42·6	46·8	+ 4·4	6	0·34	9	− 7	Plymouth ..	1·7	+ 0·1	20	1	30	46·0	+4·0	47·0	—
a Falmouth	167	51	18, 20, 24	36	22nd	49·9	42·9	46·5	+ 3·0	6	0·57	15	− 6	Falmouth ..	2·3	+ 0·5	27	1	29	47·1	—	47·7	—
9. IRELAND, N.																						
a Mallarany	120	52	20th	35	19th	49·7	40·4	45·2	—	7	2·10	53	—	Mallarany ..	0·9	—	11	0	33	•	•	•	•
a West .. *a* Malin Head ..	208	50	18, 19	35	20th	47·3	37·9	42·8	+ 1·5	6	0·47	12	− 2	Malin Head ..	1·5	—	20	•	•	•	•	•	•
a Blacksod Point ..	37	52	18th	34	19th	49·3	39·4	44·6	+ 1·5	7	1·42	36	+ 10	Markree Castle	1·7	+ 0·4	22	2	27	42·4	+1·5	43·8	−0·9
p Markree Castle ..	122	53	18th	32	23rd	48·4	36·1	42·5	+ 2·4	7	1·24	31	+ 11										
b, East .. *p* Armagh	196	53	18th	34	24th	47·7	37·0	42·6	+ 2·7	7	0·98	25	+ 12	Armagh	2·2	+ 0·8	28	0	32	42·2	+2·1	43·2	−0·2
a Donaghadee	39	53	18th	35	20th	47·1	37·3	42·4	+ 1·4	7	1·07	27	+ 14										
10. IRELAND, S.																						
p Dublin, City	47	56	18th	37	19, 24	50·6	39·0	45·0	+ 2·6	5	0·92	23	+ 11	Trinity Coll. ..	2·4	—	30	2	25	44·2	+3·5	45·2	+1·1
a Birr Castle	175	54	18th	35	19, 20, 23	49·4	38·4	44·1	+ 3·7	6	1·31	33	+ 18	Phœnix Park ..	3·2	+ 1·4	39	3	24	•	•	•	•
a Kilkenny	195	55	18th	31	23rd	50·9	38·6	45·0	+ 4·5	7	1·07	27	+ 10	Dublin City ..	•	•	•	0	32	•	•	•	•
a Waterford	137	53	18th	35	20th	50·7	41·7	46·4	+ 4·2	4	0·63	16	− 3	Birr Castle ..	2·0	+ 0·4	24	5	29	•	•	•	•
p Seskin, Carrick-on-Suir	535	55	18th	32	19th	48·6	36·9	43·0	—	6	1·06	27	—	Seskin	2·4	—	30	2	29	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	54	18th	37	19th	50·4	41·6	46·2	+ 3·8	7	1·50	38	+ 18										
a Cahirciveen (Val. Obs.)	30	53	18th	37	20th	51·0	42·6	47·0	+ 2·1	7	1·69	43	+ 12	Cahirciveen ..	1·4	− 0·1	17	0	34	•	•	•	•
a Killarney	174	55	18th	35	19, 20	51·6	41·5	46·8	+ 3·6	7	2·23	57	+ 28	Ballinacurra ..	2·4	+ 0·6	29	•	•	•	•	•	•
a Roche's Point	32	52	18–20	37	20th	50·6	42·4	46·7	+ 2·7	6	0·98	25	+ 3										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	50	18–21, 24	43	20th	49·7	46·0	47·9	+ 2·2	6	0·43	11	− 4	Scilly	2·8	+ 1·0	33	•	•	•	•	•	•
a Jersey, St. Aubins ..	26	52	18, 21	34	22nd	50·0	40·1	45·3	+ 2·6	4	0·43	11	− 3	St. Heliers ..	2·2	+ 0·1	25	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	51	18, 21	37	22nd	49·4	43·1	46·4	+ 3·1	4	0·32	8	− 7	Guernsey† ..	2·0	+ 0·1	23	2	28	46·5	+3·0	47·9	+0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 24th, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	21	1	17 to 19, 21 to 23	47	77	41	2	0	300	17	21	10	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	25	116	27	0	—	10	23	17	20	23	16	50
Aberdeen	153	105	52	—	—	21	6	42	109	11	0	290	14	21	13	24	21	6	30
Edinburgh	486	39	31	—	—	18, 21 to 24	21	114	33	0	0	180	13	23	17	25	22	16	50
6. SCOTLAND, W. Eskdalemuir	825	50	22	24	1	19 to 24	41	64	49	13	0	200	17	24	12	27	24	12	15
Paisley	188	81	15	—	—	21, 23	6	58	99	5	0	195	12	23	17	25	21	4	5
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	34	92	42	0	295	9	21	11	18	24	18	50
South Shields	72	61	12	—	—	21	3	55	98	12	0	290	12	21	10	19	21	12	20
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	21	7	114	47	0	0	315	14	21	15	26	21	15	10
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	21	1	75	85	7	0	315	11	21	14	21	21	13	40
5. ENGLAND, S.E. Brighton	261	53	6	—	—	—	—	63	94	11	0	—	11	21	14	19	21	13	0
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	18 to 24	27	107	34	0	0	315	14	21	13	21	21	6	20
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	44	115	2	7	235	9	19	2	15	21	14	5
7. ENGLAND, N.W. Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	21	2	19 to 21, 24	35	71	36	0	24	300	18	21	11	—	—	—	—
Southport	80	62	48	21	2	18 to 21, 24	56	82	28	0	0	285	18	21	8	25	24	13	10
Holyhead	60	40	‡	—	—	18 to 24	64	80	23	1	0	280	16	19	18	22	19	17	35
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	—	18 to 24	48	102	16		0	205	17	22	15	22	24	10	30
Plymouth	185	88	2	—	—	18, 19, 21, 22, 24	11	85	65	7	0	—	12	18	24	21	21	7	30
Lyme Regis	556	61	‡	—	—	—	—	61	84	23		—	11	21	14	16	19	14	40
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	18 to 21, 23, 24	45	68	47	8	0	280	17	21	2	—	—	—	—
Quilty	100	40	‡	—	—	18 to 24	57	102	8	1	0	—	17	24	17	29	24	18	10
Cahirciveen (Val. Obs.)	98	41	‡	—	—	18, 20, 22 to 24	25	103	39	0	1	255	14	24	13	26	24	6	50
Weaver Pt.	160	30	‡	—	—	18, 21–24	36	96	32	4	0	—	15	18	13	27	24	13	30
11 ENGLISH CHANNEL Scilly	150	32	‡	—	—	19 to 21, 24	30	81	56	1	0	300	13	19	13	21	19	14	45

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory

* Above tops of trees ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRD WEEK of 1920—January 18th to January 24th, 1920

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	49	29	79·4	74·2	76·9	+ 0·1	4	− 3	29	− 1	6	+ 1	1·46	37	+ 3	0·9	+0·2	13	1004
Eastern.																			
1. SCOTLAND, EAST ...	54	26	79·6	73·8	76·8	+ 0·5	5	− 1	32	− 5	5	+ 1	0·70	18	+ 3	2·0	+0·5	27	1008
2. ENGLAND, N.E.	57	30	81·7	75·4	78·7	+ 2·2	25	+ 18	16	−18	5	+ 2	0·40	10	+ 2	2·0	+0·5	25	1013
3. ENGLAND, EAST ...	56	28	81·7	75·9	78·8	+ 2·1	23	+ 17	13	−25	4	0	0·29	7	− 2	1·4	−0·1	17	1018
4. MIDLAND COUNTIES ..	56	30	82·2	76·3	79·3	+ 3·0	27	+ 19	11	−27	5	+ 1	0·24	6	− 4	1·3	−0·1	16	1018
5. ENGLAND, S.E.	54	29	82·2	76·9	79·6	+ 2·5	26	+ 16	8	−22	5	+ 2	0·22	6	− 6	1·4	−0·2	16	1019
Western.																			
6. SCOTLAND, WEST ..	52	31	80·8	75·3	78·2	+ 0·8	11	+ 1	25	+ 2	7	+ 2	1·71	43	+ 17	2·0	+0·9	26	1011
7. ENGLAND, N.W.	58	32	82·1	76·8	79·5	+ 2·3	25	+ 17	9	−19	5	+ 1	0·93	24	+ 8	1·6	+0·3	20	1015
8. ENGLAND, S.W.	58	34	82·6	77·9	80·3	+ 2·3	27	+ 12	3	−20	5	+ 1	0·36	9	− 9	1·7	+0·2	21	1019
9. IRELAND, NORTH ...	54	32	82·0	76·2	79·2	+ 1·3	26	+ 12	12	−10	7	+ 2	1·08	27	+ 9	2·0	+0·6	25	1010
10. IRELAND, SOUTH ...	56	31	83·4	77·8	80·7	+ 1·9	33	+ 12	4	−15	6	+ 1	1·29	33	+ 13	2·2	+0·6	27	1016
11. ENGLISH CHANNEL ...	52	34	82·8	79·2	81·1	+ 1·3	32	+ 8	0	− 8	5	0	0·39	10	− 4	2·3	+0·3	27	1022

THE SEASON (Winter).—Aggregates, &c., for the Period of 8 Weeks, November 30th, 1919, to January 24th, 1920.

0. SCOTLAND, NORTH ...	55	19	78·9	73·8	76·4	− 0·3	32	− 28	267	+ 13	44	+ 2	12·76	324	+ 62	0·7	0·0	11	1000
Eastern.																			
1. SCOTLAND, EAST ...	57	14	78·5	73·2	76·0	− 0·1	28	− 25	315	+ 1	39	+ 6	6·35	162	+ 31	1·5	+0·4	21	1002
2. ENGLAND, N.E.	57	23	80·1	74·6	77·4	+ 0·7	82	+ 16	213	− 44	38	+ 7	4·59	117	+ 22	1·4	+0·2	18	1007
3. ENGLAND, EAST ...	57	20	80·9	74·7	77·9	+ 1·2	122	+ 46	200	− 78	40	+ 7	5·54	140	+ 44	1·2	−0·2	16	1011
4. MIDLAND COUNTIES ...	57	17	81·1	75·1	78·2	+ 1·6	143	+ 60	175	−118	40	+ 7	5·92	150	+ 37	1·2	0·0	15	1010
5. ENGLAND, S.E.	57	17	81·7	75·9	78·9	+ 1·3	173	+ 56	135	− 75	41	+10	6·87	176	+ 51	1·2	−0·3	15	1012
Western.																			
6. SCOTLAND, WEST ...	55	19	80·0	75·0	77·6	+ 0·2	75	− 11	193	− 11	48	+10	13·90	353	+118	1·3	+0·3	18	1005
7. ENGLAND, N.W.	59	24	81·0	75·9	78·5	+ 1·0	132	+ 41	137	− 69	41	+ 7	8·15	206	+ 52	1·2	+0·1	16	1008
8. ENGLAND, S.W.	60	17	82·2	76·8	79·6	+ 1·1	201	+ 55	81	− 71	47	+10	11·28	284	+ 83	1·5	0·0	19	1012
9. IRELAND, NORTH ...	59	20	81·6	75·5	78·7	+ 0·8	172	+ 62	149	− 30	51	+10	10·80	274	+100	1·2	0·0	16	1004
10. IRELAND, SOUTH ..	61	22	82·6	76·6	79·7	+ 0·8	220	+ 50	100	− 39	48	+ 9	9·88	250	+ 47	1·6	+0·1	21	1009
11. ENGLISH CHANNEL ..	54	29	82·9	79·1	81·1	+ 0·7	274	+ 38	14	− 38	46	+ 5	8·11	206	+ 34	1·6	−0·2	20	1015

THE YEAR 1920.—Aggregates, &c., for the Period of 3 Weeks, January 4th to January 24th, 1920.

0. SCOTLAND, NORTH ...	55	19	79·3	73·6	76·6	+ 0·2	12	− 6	97	− 5	17	+ 2	6·13	156	+64	0·7	0·0	10	1001
Eastern.																			
1. SCOTLAND, EAST ...	57	19	79·2	73·5	76·5	+ 0·7	15	− 1	106	−17	14	+ 2	1·96	50	+ 6	1·5	+0·3	20	1004
2. ENGLAND, N.E.	57	24	81·0	74·8	78·0	+ 1·7	56	+36	66	−40	13	+ 2	1·45	37	+ 6	1·7	+0·5	22	1010
3. ENGLAND, EAST ...	57	20	81·6	75·1	78·4	+ 2·3	62	+40	64	−54	12	0	1·34	34	+ 2	1·4	−0·1	18	1014
4. MIDLAND COUNTIES ...	57	20	81·8	75·3	78·7	+ 2·6	69	+44	60	−61	14	+ 2	1·67	42	+ 6	1·3	0·0	17	1014
5. ENGLAND, S.E.	57	17	81·8	76·2	79·1	+ 2·1	66	+32	48	−45	14	+ 3	1·82	47	+ 9	1·4	−0·1	17	1015
Western.																			
6. SCOTLAND, WEST ...	55	23	80·5	74·9	77·8	+ 0·7	37	+11	70	−13	19	+ 5	4·67	118	+41	1·2	+0·1	17	1008
7. ENGLAND, N.W.	59	25	81·5	75·8	78·8	+ 1·7	62	+35	51	−35	14	+ 2	2·66	68	+18	1·2	0·0	16	1011
8. ENGLAND, S.W.	60	17	82·2	76·7	79·6	+ 1·6	70	+24	38	−31	15	+ 2	3·22	81	+21	1·6	0·0	20	1016
9. IRELAND, NORTH ...	59	25	82·1	75·6	79·0	+ 1·3	72	+34	55	−19	18	+ 3	3·37	85	+26	1·2	−0·1	16	1007
10. IRELAND, SOUTH ...	61	22	83·1	76·9	80·1	+ 1·6	87	+29	37	−22	17	+ 3	3·39	86	+18	1·6	0·0	21	1013
11. ENGLISH CHANNEL ...	54	29	82·6	78·7	80·7	+ 0·9	99	+26	11	−16	15	0	2·22	56	+ 4	1·9	0·0	25	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: January 30th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

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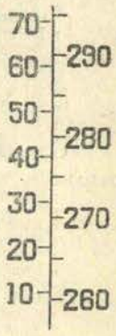
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 4.

FOURTH WEEK,
SUNDAY, JANUARY 25TH TO SATURDAY, JANUARY 31ST, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Islands during the week was of a very disturbed and changeable character; depressions followed each other along the Atlantic seaboard, and on Wednesday one passed directly over southern England. Strong squally winds from S. veering to W. prevailed throughout the week, gale force being reached on several days, particularly on the western coasts. The gale of Tuesday was very severe over Ireland, uprooting trees, and doing much structural damage. A gust of no less than 50 m/s (100 mi/hr) was recorded at Quilty on the coast of Clare that morning (surpassing the 46 m/s at Pendennis on March 14th, 1905). Over England temperature was mostly moderately high, and the week terminated with a very warm day on Saturday, when readings of 286 a were registered in most parts of England, the highest being 287 a at Bath. Over Scotland cooler weather prevailed, temperature remaining below 283 a all the week, while on Thursday and Friday at Balmoral it was no higher than 275 a. Although minima below the freezing point were registered in most districts, the nights generally were not cold for the time of the year; grass minima of 266 a were registered on Sunday (25th) at some places in southern England. The mean temperature for the period, as compared with the normal, shows an excess of between 1 a and 2 a over England and a slight deficit over Ireland, Scotland being about normal. In all parts of the United Kingdom precipitation (rain or snow) occurred nearly every day, the total fall being considerably in excess of the normal. At Fort William the aggregate was 114mm., an excess of 48mm. over the large normal of 66mm.; at Killarney the total for the two days 25th–26th was 57mm., while at several stations in western and southern England the aggregate for the three days 27th–29th was between 40 and 50mm. Thunder and lightning occurred over Scotland and Ireland on the 27th and again on the 29th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	9·9	26	8·5	26	6·6	23	5·0	23	8·5	—	—	28	7·7	25	7·1
North	3	2·9	0	—	0	—	1	0·5	2	1·8	—	—	0	—	3	2·1
West	15	4·2	15	4·1	21	5·4	17	3·7	21	7·1	—	—	19	7·1	21	7·8
East	10	5·4	7	3·5	3	3·0	3	2·1	5	3·8	—	—	3	2·6	6	2·2
Calm	0	—	2	—	0	—	2	—	0	—	—	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual	Deficient	Moderate	Unusual
	Rainfall ...	Heavy	Heavy	Heavy	Heavy	Very heavy	Heavy	Moderate	Heavy	Very heavy	Heavy	Very heavy	Heavy
	Sunshine ...	Moderate	Moderate	Abundant	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 9 weeks from Nov. 30th, 1919.	Warmth ...	0, 7, 2	2, 5, 2	2, 7, 0	6, 3, 0	5, 4, 0	6, 2, 1	2, 7, 0	4, 5, 0	6, 2, 1	5, 3, 1	4, 3, 2	6, 2, 1
	Rainfall ...	4, 4, 1	3, 6, 0	5, 4, 0	6, 3, 0	6, 2, 1	5, 2, 2	7, 2, 0	5, 3, 1	6, 2, 1	8, 1, 0	6, 3, 0	5, 2, 2
	Sunshine ...	3, 5, 1	6, 3, 0	4, 4, 1	0, 7, 2	2, 5, 2	1, 4, 4	2, 7, 0	2, 7, 0	2, 5, 2	3, 5, 1	1, 7, 1	1, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27261—19) Wt 162—833/512 625 2/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air (In Degrees Fahrenheit): Highest.	Date.	Lowest.	Date.	Mean for the Week: Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall: No. of Rain-Days.	Rainfall in the Week (in.)	(mm.)	Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands.. a Lerwick ..	54	45	26th	32	30th	43·3	35·9	39·8	+ 0·9	5	0·79	20	− 9
p Deerness, Orkney ..	165	46	26, 29	32	25th	43·9	34·9	39·6	—	4	0·57	14	− 11
a Stornoway ..	31	48	25, 26	—	—	44·6	—	—	—	7	2·91	74	+ 38
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—
b, Mainland. a Wick ..	81	45	25th	31	25th	41·9	34·6	38·4	+ 0·4	5	0·63	16	− 2
a Strathpeffer ..	125	46	25th	28	30, 31	42·4	31·0	36·9	− 0·6	5	1·53	39	+ 19
p Glencarron ..	500	—	—	—	—	—	—	—	—	—	—	—	—
a Fort Augustus..	68	—	—	—	—	—	—	—	—	—	—	—	—
p Fort William ..	171	47	26th	32	28, 29, 31	43·4	33·7	38·7	− 0·3	7	4·47	114	+ 48
1. SCOTLAND, E.													
a Nairn ..	82	47	25, 26	29	30th	42·9	32·0	37·7	0·0	5	0·52	13	+ 2
p Gordon Castle ..	101	48	26th	30	27th	43·0	32·7	38·1	− 0·5	3	0·53	13	+ 2
a Aberdeen ..	46	45	31st	33	28, 29, 31	42·1	33·9	38·2	− 0·3	4	0·65	17	+ 5
a Balmoral ..	930	43	26th	24	31st	39·0	29·6	34·5	− 0·2	7	1·77	45	+ 30
p Crieff ..	432	46	26th	29	29, 31	41·9	31·4	36·9	− 0·7	7	1·35	34	+ 12
a Dundee ..	244	45	25, 26	28	31st	42·6	31·7	37·4	− 0·1	6	0·75	19	+ 8
a Leith ..	30	50	25, 26	33	30th	45·1	35·7	40·6	+ 1·0	6	0·56	14	+ 5
p Edinburgh ..	441	48	26th	29	25th	43·3	34·1	38·9	+ 0·5	5	0·57	14	+ 4
a West Linton ..	769	46	25th	28	29th	42·0	31·9	37·2	+ 2·4	6	0·98	25	—
p Marchmont ..	498	47	26th	31	30th	42·7	32·7	37·9	+ 0·9	6	0·59	15	+ 2
6. a, SCOTLAND, W.													
a Ford (Argyll) ..	149	48	25th	32	29, 31	44·8	34·3	39·8	—	7	1·59	40	—
p Glasgow Observatory	180	47	26th	33	29, 30	43·6	35·0	39·5	+ 0·4	6	1·17	30	+ 11
p Rothesay ..	200	47	26th	32	25, 30	44·1	34·1	39·3	− 0·7	7	1·53	39	+ 13
a Kilmarnock ..	99	48	25th	33	29th	44·9	35·7	40·5	+ 2·2	6	0·96	24	+ 4
a Colmonell ..	170	48	31st	32	29th	45·6	35·4	40·7	+ 1·5	7	1·83	46	+ 21
p Cally, Gatehouse ..	120	46	25, 28, 31	30	29th	44·1	34·9	39·7	+ 0·9	6	1·52	39	+ 13
p Dumfries ..	160	48	31st	31	29th	44·3	35·4	40·0	+ 1·4	6	1·08	27	+ 9
a Eskdalemuir ..	794	45	25, 26	28	29th	41·6	31·3	36·7	—	7	1·62	41	—
b, I. OF MAN p Douglas ..	277	48	26th	33	25th	46·1	35·9	41·2	+ 0·1	6	1·05	27	+ 7
2. ENGLAND, N.E.													
a North .. a Alnwick Castle ..	210	48	31st	32	27th	43·7	34·0	39·0	+ 0·7	6	0·25	6	− 5
a Tynemouth ..	118	47	26th	33	29th	44·0	35·1	39·7	+ 0·8	4	0·59	15	+ 7
p Durham ..	336	46	26th	31	27th	43·0	33·4	38·4	+ 0·9	6	0·77	20	+ 12
p Rounton ..	249	47	26th	32	29th	43·0	33·9	38·6	+ 1·2	7	1·09	28	+ 20
a West Witton ..	605	47	31st	33	29, 30	43·9	33·9	39·1	—	6	1·54	39	—
p Scarborough ..	100	51	25th	34	27, 29, 30	46·3	35·3	41·0	+ 1·9	6	1·63	41	+ 31
p York ..	56	48	26th	33	29th	43·9	34·9	39·6	+ 1·2	6	1·14	29	+ 20
b, South .. a Spurn Head ..	26	48	31st	32	25th	44·4	34·0	39·4	+ 0·6	5	0·71	18	+ 11
a Lincoln ..	58	52	31st	33	25, 27, 29	47·7	54·9	41·6	+ 3·9	6	0·77	20	+ 12
a Fulbeck ..	180	52	31st	33	27, 29	47·0	34·3	40·9	+ 3·2	6	0·82	21	+ 13
3. ENGLAND, E.													
p Cromer ..	196	53	31st	30	27th	46·7	32·1	39·7	+ 1·3	5	0·65	17	+ 9
a Little Massingham ..	280	52	31st	30	25, 27	46·4	31·7	39·3	+ 1·7	6	0·93	24	+ 13
a Yarmouth ..	13	54	31st	34	26, 27, 29	46·7	35·4	41·3	+ 3·1	5	0·72	18	+ 9
a Norwich ..	93	53	31st	32	27th	46·7	34·9	41·0	+ 3·0	5	0·88	22	+ 12
a Geldeston ..	37	55	31st	31	25, 27	48·4	33·9	41·4	+ 2·8	4	0·71	18	+ 9
p Cambridge ..	41	54	31st	31	25th	47·9	35·6	42·0	+ 3·7	5	0·59	15	+ 7
a Clacton-on-Sea	54	51	31st	35	26th	46·1	37·4	41·9	+ 3·6	5	0·67	17	+ 10
a Rothamsted ..	424	53	31st	30	27th	47·3	34·4	41·1	+ 3·3	6	1·21	31	+ 20
p Tottenham ..	51	54	31st	36	25, 27	48·9	40·7	40·0	—	6	0·91	23	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate ..	479	46	26th	32	27, 29, 30	42·7	33·7	38·4	+ 0·9	7	1·78	45	+ 32
p Sheffield ..	429	49	31st	32	29th	44·4	34·6	39·7	—	6	1·96	50	—
p Buxton ..	987	45	26, 31	29	29th	41·1	32·7	37·1	—	7	1·88	48	+ 24
b, East .. a Worksop ..	56	51	31st	33	29th	47·4	35·0	41·5	+ 3·1	6	1·59	40	+ 30
a Nottingham ..	82	51	31st	34	25–27, 29	47·9	34·6	41·5	+ 3·1	5	1·18	30	+ 20
p Birmingham, Edgbsn.	535	51	31st	32	28, 29	45·6	34·6	40·3	+ 1·7	7	1·32	34	+ 23
a Raunds ..	203	54	31st	32	25, 27	48·3	33·9	41·4	+ 3·8	6	0·85	22	+ 13
p Oxford ..	208	55	31st	33	27th	48·4	37·3	43·1	+ 3·9	6	0·82	21	+ 11
c, West .. a Cheadle (N. Staffs.) ..	646	47	31st	30	27, 29, 30	45·0	31·6	38·6	+ 1·3	6	1·62	41	+ 27
p Tenbury ..	313	54	31st	32	29th	46·4	35·3	41·1	+ 1·3	7	1·77	45	+ 36
a Hereford ..	291	52	31st	31	29th	47·3	35·0	41·4	+ 2·6	7	2·00	51	+ 39
a Clifton ..	228	54	30, 31	34	29th	49·3	37·6	43·7	+ 3·4	7	1·80	46	+ 28
5. ENGLAND, S.E.													
a Marlborough ..	424	54	31st	33	25th	48·6	35·0	42·1	+ 4·3	7	1·47	37	+ 23
p Salisbury (Wilton) ..	180	54	31st	28	25th	48·7	34·6	41·9	+ 3·7	7	2·37	60	+ 43
a Wisley, Surrey ..	150	54	31st	34	25th	48·4	38·1	43·5	+ 5·0	6	1·18	30	+ 20
a Tunbridge Wells ..	354	52	31st	30	25th	49·0	35·0	42·3	+ 4·2	6	1·84	47	+ 33
a Margate ..	51	54	31st	36	25, 27	49·3	38·1	43·9	+ 4·3	5	0·55	14	+ 5
a Dungeness ..	21	50	31st	36	25th	48·3	39·4	44·0	+ 4·5	5	0·75	19	+ 9
p St. Leonards ..	178	50	31st	35	25th	48·4	39·1	43·9	+ 4·1	7	0·93	24	+ 11
p Southampton ..	64	52	31st	32	25th	48·9	37·1	43·2	+ 2·8	6	1·92	49	+ 34
a Ventnor ..	59	51	31st	39	25, 29, 30	49·4	40·9	45·3	+ 3·5	6	1·21	31	+ 17
LONDON. a Richmond (Kew Obs.)	18	54	31st	33	26th	48·7	36·1	42·7	+ 3·5	5	0·75	19	+ 9
a Westminster ..	27	55	31st	33	25th	50·5	37·4	44·2	+ 4·3	5	0·76	19	+ 10
ag Greenwich ..	149	55	31st	33	25th	49·6	36·7	43·4	+ 4·7	5	0·66	17	+ 8
a Hampstead ..	450	53	31st	34	27th	47·0	37·6	42·5	—	6	0·84	21	—
ag Camden Square ..	110	55	31st	31	25th	49·3	36·9	43·4	+ 4·3	6	0·78	20	+ 10
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	47	26, 31	32	29, 30	44·3	34·3	39·5	+ 1·0	6	0·80	20	+ 1
p Newton Rigg ..	559	—	—	—	—	—	—	—	—	—	—	—	—
p Stonyhurst ..	375	47	26th	33	29th	44·6	34·6	39·8	+ 1·6	6	1·19	30	+ 5
p Blackpool ..	66	48	31st	32	30th	46·4	35·0	40·9	+ 1·8	6	1·00	25	+ 9
a Southport ..	37	48	26th	33	29th	45·9	35·3	40·8	+ 1·6	6	1·04	26	+ 11
a Liverpool (Bidston) ..	188	47	25, 26, 31	32	29th	45·7	36·0	41·0	+ 1·2	6	1·02	26	+ 14
a Hawarden Bridge ..	22	52	31st	34	29th	48·1	36·7	42·6	+ 2·3	7	1·29	33	+ 22
p Manchester (Whit. Pk.)	125	49	26, 31	33	29th	45·6	36·1	41·0	+ 1·3	6	1·55	39	+ 25
b NORTH WALES.													
p Llandudno ..	16	54	31st	36	29, 30	49·6	37·9	44·0	+ 2·2	7	1·54	39	+ 24
a Holyhead ..	15	49	30, 31	35	29th	48·1	39·1	43·8	+ 1·8	5	1·50	38	+ 21
a Beddgelert ..	309	—	—	—	—	—	—	—	—	—	—	—	—
a Aberdovey ..	22	—	—	—	—	—	—	—	—	—	—	—	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine (Hours per Day): Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature: Grass Min.: Ground Frosts	Lowest Reading.	Earth 1 ft.: Mean.	Deviation from Average.	Earth 4 ft.: Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	0·7	− 0·3	9	•	•	•	•	•	•
Stornoway ..	1·1	+ 0·1	14	•	•	•	•	•	•
Castlebay ..	—	—	—	•	•	•	•	•	•
Nairn ..	2·2	—	29	•	•	•	•	•	•
Gordon Castle ..	2·3	—	30	•	•	•	•	•	•
Aberdeen ..	1·4	− 0·4	18	5	28	•	•	38·6	−1·1
Balmoral ..	•	•	•	6	16	•	•	•	•
Crathes ..	1·8	− 0·2	23	5	22	33·1	−1·9	35·9	−1·9
Dundee ..	2·7	—	34	5	23	35·3	•	•	•
Leith ..	•	•	•	5	28	•	•	•	•
Edinburgh ..	2·5	+ 0·6	32	0	31	•	•	•	•
West Linton ..	2·0	—	25	6	24	•	•	•	•
Marchmont .	1·7	+ 0·1	22	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	—	—	37·8	—	39·4	—
Glasgow ..	1·5	+ 0·7	19	2	25	•	•	•	•
Rothesay ..	1·7	—	22	6	27	37·9	—	41·0	−1·1
Kilmarnock ..	1·4	—	17	•	•	38·6	—	41·5	—
Colmonell ..	•	•	•	0	32	•	•	•	•
Dumfries ..	1·6	—	19	1	27	38·5	+1·6	40·9	+0·5
Eskdalemuir ..	1·0	—	13	5	25	•	•	•	•
Douglas ..	1·9	+ 0·2	22	1	29	•	•	•	•
Cockle Park ..	1·7	− 0·2	21	5	22	35·7	−0·2	39·4	−0·1
Durham ..	2·5	+ 0·8	30	5	24	•	•	•	•
Rounton ..	•	•	•	7	24	37·1	•	•	•
West Witton ..	•	•	•	4	29	36·7	—	39·9	—
Scarborough† ..	2·9	+ 1·2	34	•	•	•	•	40·6	—
York ..	1·8	+ 0·6	22	—	—	38·8	+0·9	41·5	−0·2
Spurn Head ..	•	•	•	•	•	•	•	•	•
Lincoln ..	•	•	•	2	28	39·1	+2·8	42·0	+1·0
Fulbeck ..	3·3	+ 1·4	38	•	•	—	—	—	—
Skegness ..	2·6	+ 0·6	31	•	•	•	•	•	•
Cromer ..	2·8	+ 0·6	33	•	•	•	•	•	•
Lit. Massingham	2·1	+ 0·3	25	•	•	•	•	•	•
Yarmouth ..	3·0	—	35	2	30	41·1	+3·8	43·7	+0·9
Norwich ..	2·9	—	34	4	25	38·8	•	•	•
Geldeston ..	2·5	+ 0·4	29	•	•	•	•	•	•
Cambridge ..	1·4	− 0·7	16	5	21	40·6	+2·9	43·3	+0·8
Clacton ..	2·9	+ 0·6	33	1	30	41·3	+2·1	44·0	+0·1
Rothamsted ..	2·7	+ 0·7	32	4	23	39·9	•	•	•
Tottenham ..	1·4	—	17	2	29	•	•	44·7	+0·9
S'thend-on-Sea	2·4	—	28	1	30	41·7	+3·9	—	—
Harrogate ..	2·4	+ 0·6	29	3	29	38·5	+1·0	40·6	+0·6
Sheffield.. ..	2·3	+ 0·7	27	2	28	38·1	+1·1	41·8	+0·2
Buxton ..	2·0	—	25	2	27	36·5	−0·1	40·4	−1·4
Worksop ..	2·5	+ 1·1	30	6	25	39·0	—	41·3	—
Nottingham ..	2·0	+ 0·7	23	6	24	38·3	+2·1	40·8	+1·0
Birmingham ..	2·8	+ 1·5	33	3	27	40·0	+1·0	44·0	−0·1
Raunds ..	2·6	—	31	2	26	40·1	—	43·0	—
Oxford ..	2·9	+ 1·1	34	2	26	•	•	•	•
Malvern ..	2·8	—	32	4	27	39·3	—	42·8	—
Cheadle ..	•	•	•	6	27	•	•	•	•
Tenbury ..	•	•	•	3	28	39·3	—	—	—
Ross-on-Wye ..	2·5	—	29	4	27	—	—	—	—
Clifton ..	2·8	—	30	2	30	•	•	•	•
Worthing ..	2·3	0·0	26	2	26	42·0	+2·5	44·9	+0·7
Marlborough ..	2·2	+ 0·6	25	2	27	41·2	—	44·7	—
Salisbury ..	•	•	•	3	24	41·7	—	•	•
Wisley ..	2·6	+ 0·8	31	3	19	41·5	+3·3	44·1	+1·4
Tunbridge Wells	2·5	+ 0·6	29	4	20	42·1	+5·5	44·0	—
Margate ..	2·7	+ 0·8	31	1	30	42·5	+2·9	44·4	+1·2
Folkestone ..	2·7	—	31	•	•	•	•	45·0	—
St. Leonards ..	3·0	+ 0·8	34	2	27	41·8	—	44·0	—
Southampton ..	2·4	+ 0·5	27	3	22	•	•	•	•
Ventnor ..	2·3	+ 0·1	26	•	•	•	•	•	•
Richmond ..	2·8	+ 1·3	33	3	23	41·4	+3·3	44·2	+0·7
Westminster ..	2·4	+ 1·6	28	4	25	•	•	•	•
Greenwich ..	2·9	+ 1·4	33	3	24	•	•	•	•
Hampstead ..	2·5	—	29	3	29	•	•	•	•
Camden Square	—	—	—	3	27	•	•	•	•
Aspatria.. ..	0·8	− 0·9	10	0	31	39·0	0·0	42·0	−1·2
Newton Rigg ..	—	—	—	—	—	—	—	—	—
Stonyhurst ..	1·6	+ 0·2	19	3	28	•	•	•	•
Blackpool ..	2·1	+ 0·2	25	2	30	41·4	—	44·0	—
Southport ..	1·8	− 0·1	21	3	29	37·8	+1·4	40·9	+0·6
Hoylake ..	2·0	+ 0·1	24	•	•	•	•	•	•
Liverpool ..	2·4	—	29	2	29	•	•	•	•
Manchester (City)	0·7	+ 0·1	8	0	32	38·6	+1·1	42·9	+0·2
Whitworth Park	1·2	+ 0·4	14	•	•	•	•	•	•
Llandudno ..	2·0	− 0·1	24	•	•	•	•	•	•
Holyhead ..	1·0	—	12	0	32	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	51	30th	35	29th	47·9	38·3	43·3	—	7	1·21	31	—	Aberystwyth ..	2·1	+ 0·1	24	•	•	•	•	•	•
a Rhayader	767	49	30, 31	33	25, 29	46·9	35·1	41·2	—	7	2·10	53	—	Rhayader ..	2·4	—	28	3	24	•	•	•	•
a St. Ann's Head	140	49	27, 29–31	37	29th	48·0	42·4	45·3	+ 2·5	7	2·05	52	+ 33	St. Ann's Head	1·8	0·0	21	•	•	•	•	•	•
p Cardiff	202	52	31st	33	28th	47·9	37·3	42·8	+ 3·4	7	2·17	55	+ 33	Cardiff	2·3	—	27	3	21	41·6	+2·9	44·7	+1·4
b. ENGLAND, S.W.																							
a Bath	66	57	31st	30	25th	51·4	36·1	44·1	+ 4·3	6	1·77	45	+ 31	Bath	2·2	+ 0·5	25	—	—	42·2	+3·0	45·0	+1·0
a Shaftesbury	722	50	30, 31	32	29th	47·0	35·3	41·4	+ 3·3	6	1·38	35	+ 19	Shaftesbury ..	•	•	•	•	•	41·4	—	44·0	—
a Arlington	613	53	30, 31	33	27, 29	48·0	35·4	42·0	+ 2·5	6	2·39	61	+ 33										
a Newquay	190	53	30, 31	36	27th	50·0	38·9	44·7	+ 1·2	7	1·47	37	+ 19	Newquay ..	1·9	0·0	22	—	—	45·0	—	47·7	—
a Cullompton	202	55	31st	30	25th	50·3	35·3	43·1	+ 2·9	7	2·03	52	+ 33	Cullompton ..	2·0	+ 0·4	23	2	24	43·3	•	•	•
a Portland Bill	19	50	26, 29, 31	40	30th	49·3	42·9	46·2	+ 3·9	6	1·54	39	+ 26	Weymouth ..	2·2	—	25	•	•	•	•	•	•
p Plymouth	116	52	31st	36	25th	49·4	40·1	44·9	+ 2·3	7	2·09	53	+ 33	Plymouth ..	2·4	+ 0·5	27	0	31	44·2	+2·9	47·1	—
a Falmouth	167	52	30, 31	36	25th	49·9	38·4	44·4	+ 0·8	7	2·33	59	+ 34	Falmouth ..	1·8	- 0·2	21	1	28	45·1	—	47·1	—
9. IRELAND, N.																							
a West .. { *a* Mallarany	120	54	25th	33	27, 30	48·3	34·6	41·7	—	7	2·61	66	—	Mallarany ..	1·4	—	17	0	32	—	•	•	•
a Malin Head	208	45	25, 27, 31	32	28, 29	43·7	34·3	39·2	- 2·4	6	0·67	17	+ 2	Malin Head ..	3·4	—	43	•	•	•	•	•	•
a Blacksod Point ..	37	51	30th	30	28, 30	46·4	33·7	40·3	- 2·9	7	3·19	81	+ 52	Markree Castle	2·4	+ 0·8	29	5	24	40·2	-0·2	43·8	-0·5
p Markree Castle ..	122	53	26th	29	29th	46·4	33·9	40·4	- 0·1	7	1·46	37	+ 14										
b. East .. { *p* Armagh	196	48	26, 31	32	29th	45·6	35·0	40·5	+ 0·2	6	0·90	23	+ 8	Armagh	3·0	+ 1·4	36	1	27	39·7	0·0	43·0	-0·2
a Donaghadee ..	39	48	25th	28	30th	45·1	34·7	40·1	- 1·2	6	0·87	22	+ 7										
10. IRELAND, S.																							
p Dublin, City	47	52	31st	34	29th	48·7	36·7	42·9	+ 0·6	6	1·01	26	+ 14	Trinity Coll. ..	2·5	—	30	4	24	41·7	+1·2	44·9	+1·2
a Birr Castle	175	51	30th	30	29, 30	46·3	32·9	39·9	- 0·5	7	0·95	24	+ 10	Phœnix Park ..	2·9	+ 1·0	35	6	21	•	•	•	•
a Kilkenny	195	54	30th	28	29th	47·9	32·3	40·4	- 0·2	6	1·39	35	—	Dublin City ..	•	•	•	1	28	•	•	•	•
a Waterford	137	50	26, 27, 30	30	29th	48·3	34·3	41·6	- 0·6	7	1·52	39	+ 20	Birr Castle ..	2·8	+ 1·1	33	5	23	•	•	•	•
p Seskin, Carrick-on-Suir	535	52	31st	31	29th	46·9	33·9	40·7	—	7	2·57	65	—	Seskin	2·2	—	26	3	25	•	•	•	•
a Cahir	198	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	52	30th	35	29th	47·3	37·1	42·4	+ 0·1	7	1·74	44	+ 24										
a Cahirciveen (Val. Obs.)	30	53	30th	37	29, 30	49·0	38·9	44·2	- 0·5	7	3·43	87	+ 58	Cahirciveen ..	1·3	- 0·4	15	0	34	•	•	•	•
a Killarney	174	52	30th	33	29th	48·9	35·9	42·7	- 0·4	7	3·59	91	+ 60	Ballinacurra ..	1·8	- 0·2	21	•	•	•	•	•	•
a Roche's Point	32	51	30th	34	30th	48·4	37·6	43·2	- 0·6	7	1·81	46	+ 24										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	31st	39	29th	49·9	42·9	46·5	+ 0·8	7	1·22	31	+ 15	Scilly	1·4	- 0·7	16	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	54	31st	34	25th	50·3	40·4	45·6	+ 2·6	6	1·50	38	+ 22	St. Heliers ..	2·1	- 0·3	23	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	52	30, 31	35	25th	50·3	40·3	45·5	+ 2·0	6	1·54	39	+ 22	Guernsey† ..	2·1	0·0	24	2	25	45·2	+2·6	47·5	+1·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 31st, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	26 to 28	16	24 to 29	51	83	18	0	0	150	24	27	16	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	25 to 27, 31	11	57	80	20	0	180	12	27	16	25	25	23	20
Aberdeen	153	105	62	—	—	25 to 27, 30, 31	32	73	31	32	0	160	16	26	8	34	26	8	30
Edinburgh	485	39	31	25 to 27	7	25 to 28, 30, 31	60	75	20	6	0	160	20	27	14	31	27	14	10
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	25 to 31	51	63	33	21	0	200	16	25	14	26	{27	14	25
																	{30	10	45
Paisley	188	81	15	—	—	25 to 27, 31	37	66	54	11	0	170	17	27	13	33	31	21	35
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	26 27, 30, 31	16	46	79	27	0	330	14	31	23	26	31	23	10
South Shields	72	61	12	—	—	25, 27, 29 to 31	15	66	79	8	0	270	15	31	24	25	27	14	45
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡‡	27, 30	4	26 to 31	46	80	35	3	0	200	19	30	3	24	29	1	0
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	26 to 31	23	89	56	0	0	160	15	27	14	23	27	14	15
5. ENGLAND, S.E. Brighton	261	53	6	—	—	27 to 30	17	89	47	15	0	—	13	27	18	23	30	1	40
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡‡	27, 29	5	25 to 31	49	83	24	7	0	170	19	27	11	26	27	11	10
Richmond (Kew Obs.)..	82	65	22	—	—	28	1	81	75	11	0	230	13	28	21	22	28	20	55
7. ENGLAND, N.W. Carnforth	246	56	23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fleetwood (Cup Anr.) ..	109	44	—	27, 30	4	25 to 31	47	84	33	0	0	250	21	30	6	30	31	15	25
Southport	80	62	48	30, 31	11	25 to 31	49	92	16	0	0	260	24	30	6	30	31	15	25
Holyhead	60	40	‡	27, 29, 31	8	25 to 31	75	66	17	2	0	160	22	27	11	32	27	11	15
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	26, 27, 29, 31	25	25 to 27, 29 to 31	51	67	25	0	0	190	28	27	11	34	27	10	15
Plymouth	185	88	2	27, 29	14	25 to 27, 29, 31	37	46	62	9	0	—	22	27	11	29	27	11	5
Lyme Regis	556	61	‡‡	—	—	26, 27, 29 to 31	13	69	61	25	0	—	14	29	24	23	29	23	5
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	27, 29, 30	9	25 to 31	66	64	22	7	0	170	24	27	10	—	—	—	—
Quilty	100	40	‡‡	27, 29, 31	29	25 to 31	69	67	3	0	0	—	23	27	8	50	27	8	20
Cahirciveen (Val. Obs.)	98	41	‡‡‡	27	9	25 to 31	65	79	14	1	0	180	20	27	6	32	27	5	20
Weaver Pt.	160	30	‡	25 to 27, 29	33	25 to 27, 29 to 31	30	73	32	0	0	—	26	27	8	37	27	8	15
11 ENGLISH CHANNEL Scilly	150	32	‡	—	—	26 to 31	38	100	28	2	0	180	16	27	10	28	31	22	0

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTH WEEK of 1920—January 25th to January 31st, 1920

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 43°	Deviation from Normal.	Below 43°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	47	28	79·0	74·0	76·6	+ 0·1	2	− 6	31	− 4	6	+ 1	2·07	53	+ 13	0·9	0·0	12	992
Eastern.																			
1. SCOTLAND, EAST ...	50	24	78·8	73·3	76·2	+ 0·1	1	− 8	35	− 5	6	+ 2	0·87	22	+ 8	2·1	+0·4	26	996
2. ENGLAND, N.E.	52	31	80·1	74·3	77·3	+ 0·7	8	− 2	30	− 5	6	+ 3	0·86	22	+ 13	2·5	+0·8	20	1004
3. ENGLAND, EAST ...	55	30	81·4	74·7	78·2	+ 1·7	15	+ 6	30	− 7	5	+ 1	0·82	21	+ 12	2·4	+0·3	27	1010
4. MIDLAND COUNTIES ...	55	30	81·2	74·6	78·1	+ 1·5	13	+ 2	30	− 8	6	+ 2	1·47	37	+ 25	2·5	+0·9	29	1008
5. ENGLAND, S.E.	54	28	82·3	75·9	79·3	+ 2·1	29	+ 18	13	−15	6	+ 2	1·30	33	+ 21	2·6	+0·7	29	1010
Western.																			
6. SCOTLAND, WEST ...	48	30	80·1	74·7	77·4	+ 0·2	8	− 4	27	0	6	+ 1	1·34	34	+ 8	1·7	+0·4	21	999
7. ENGLAND, N.W.	54	32	81·1	75·4	78·3	+ 1·0	13	+ 3	25	− 3	6	+ 2	1·24	32	+ 14	1·7	0·0	20	1003
8. ENGLAND, S.W.	57	30	82·3	76·2	79·4	+ 1·4	28	+ 13	12	− 9	7	+ 3	1·99	50	+ 29	2·1	+0·3	24	1007
9. IRELAND, NORTH ...	53	28	80·6	74·2	77·5	− 0·6	10	− 3	32	+ 9	7	+ 2	1·34	34	+ 14	2·7	+1·1	32	995
10. IRELAND, SOUTH ...	54	28	81·9	75·1	78·7	− 0·1	28	+ 8	18	+ 1	7	+ 2	1·93	49	+ 29	2·2	+0·4	26	1000
11. ENGLISH CHANNEL ...	54	34	83·1	78·1	80·7	+ 0·9	31	+ 7	2	− 6	6	+ 1	1·42	36	+ 20	1·9	−0·4	21	1010

THE SEASON (Winter).—Aggregates, &c., for the Period of 9 Weeks, November 30th, 1919, to January 31st, 1920.

0. SCOTLAND, NORTH ...	55	19	78·9	73·8	76·4	− 0·3	34	− 34	298	+ 9	50	+ 3	14·83	377	+ 75	0·8	+0·1	11	999
Eastern.																			
1. SCOTLAND, EAST ...	57	14	78·6	73·2	76·0	− 0·1	29	− 33	350	− 4	45	+ 8	7·22	184	+ 39	1·5	+0·3	22	1002
2. ENGLAND, N.E.	57	23	80·1	74·5	77·4	+ 0·7	90	+ 14	243	− 49	44	+10	5·45	139	+ 35	1·5	+0·3	20	1006
3. ENGLAND, EAST ...	57	20	81·0	74·7	78·0	+ 1·4	137	+ 52	230	− 85	45	+ 8	6·36	161	+ 56	1·3	−0·1	17	1011
4. MIDLAND COUNTIES ...	57	17	81·1	75·0	78·2	+ 1·6	156	+ 62	205	−126	46	+ 9	7·39	187	+ 62	1·3	+0·1	17	1010
5. ENGLAND, S.E.	57	17	81·7	75·9	78·9	+ 1·3	202	+ 74	148	− 90	47	+12	8·17	209	+ 72	1·4	−0·1	17	1011
Western.																			
6. SCOTLAND, WEST ...	55	19	80·0	74·9	77·6	+ 0·2	83	− 15	220	− 11	54	+11	15·24	387	+126	1·3	+0·3	18	1005
7. ENGLAND, N.W.	59	24	81·0	75·8	78·5	+ 1·0	145	+ 44	162	− 72	47	+ 9	9·39	238	+ 66	1·2	+0·1	16	1007
8. ENGLAND, S.W.	60	17	82·2	76·7	79·6	+ 1·1	229	+ 68	93	− 80	54	+13	13·27	334	+112	1·6	+0·1	19	1011
9. IRELAND, NORTH ...	59	20	81·5	75·4	78·6	+ 0·6	182	+ 59	181	− 21	58	+12	12·14	308	+114	1·4	+0·1	18	1003
10. IRELAND, SOUTH ...	61	22	82·5	76·4	79·6	+ 1·8	248	+ 58	118	− 38	55	+11	11·81	299	+ 76	1·7	+0·2	21	1008
11. ENGLISH CHANNEL ...	54	29	82·9	78·9	81·0	+ 0·6	305	+ 45	16	− 44	52	+ 6	9·53	242	+ 54	1·6	−0·3	20	1014

THE YEAR 1920.—Aggregates, &c., for the Period of 4 Weeks, January 4th to January 31st, 1920.

0. SCOTLAND, NORTH ...	55	19	79·3	73·7	76·6	+ 0·1	14	−12	128	− 9	23	+ 3	8·20	209	+77	0·8	0·0	11	999
Eastern.																			
1. SCOTLAND, EAST ...	57	19	79·1	73·5	76·4	+ 0·5	16	− 9	141	−22	20	+ 4	2·83	72	+14	1·6	+0·3	22	1092
2. ENGLAND, N.E.	57	24	80·8	74·7	77·9	+ 1·5	64	+34	96	−45	19	+ 5	2·31	59	+19	1·9	+0·6	24	1008
3. ENGLAND, EAST ...	57	20	81·5	75·0	78·4	+ 2·2	77	+46	94	−61	17	+ 1	2·16	55	+14	1·6	0·0	20	1013
4. MIDLAND COUNTIES ...	57	20	81·7	75·1	78·6	+ 2·4	82	+46	90	−69	20	+ 4	3·14	79	+31	1·6	+0·2	20	1013
5. ENGLAND, S.E.	57	17	82·0	76·1	79·2	+ 2·1	95	+50	61	−60	20	+ 5	3·12	80	+30	1·7	+0·1	20	1014
Western.																			
6. SCOTLAND WEST ...	55	23	80·4	74·9	77·7	+ 0·6	45	+ 7	97	−13	25	+ 6	6·01	152	+49	1·4	+0·3	18	1006
7. ENGLAND, N.W.	59	25	81·4	75·7	78·7	+ 1·6	75	+38	76	−38	20	+ 4	3·90	100	+32	1·3	0·0	17	1009
8. ENGLAND, S.W.	60	17	82·2	76·6	79·5	+ 1·5	98	+37	50	−40	22	+ 5	5·21	131	+50	1·7	+0·1	21	1014
9. IRELAND, NORTH ...	59	25	81·7	75·3	78·6	+ 0·8	82	+31	87	−10	25	+ 5	4·71	119	+40	1·5	+0·1	20	1004
10. IRELAND, SOUTH ...	61	22	82·8	76·4	79·8	+ 1·2	115	+37	55	−21	24	+ 5	5·32	135	+47	1·8	+0·2	22	1010
11. ENGLISH CHANNEL ...	54	29	82·8	78·6	80·7	+ 0·9	130	+33	13	−22	21	+ 1	3·64	92	+24	1·9	−0·1	23	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: February 6th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 5.

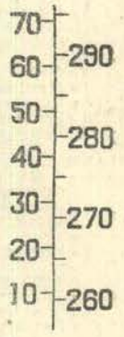
FIFTH WEEK, SUNDAY, FEBRUARY 1ST TO SATURDAY, FEBRUARY 7TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The week was remarkable for the distribution of temperature, which was of a type which occurs occasionally in winter, when the air carried by a southerly wind gains in temperature as it traverses the land. During many days the lowest temperatures were on the South coast, and the north-east of Scotland was amongst the warmest and sunniest districts.

At the beginning of the week the weather was very unsettled, with gales and heavy local rain in the north-western districts. Subsequently the weather, although remaining somewhat unsettled in the west, underwent a marked improvement over the British Isles generally, and the week was the driest since the 50th week of 1919. Observers in different parts of the country agree in describing the conditions as remarkably fine for the season. Temperature oscillated a good deal; in nearly all districts there were maximum readings of 286 a and above, generally on the 3rd, the absolute highest being 287 a at Foynes (Limerick), Hawarden Bridge (Chester), and Gordon Castle, while on the 5th at many inland stations in Yorkshire and the north Midlands, the temperature did not exceed 275 a (Harrogate 274 a). On the morning of the same day, the 5th, the lowest minima had been recorded, below 269 a over the Midland counties generally, and as low as 267 a at Raunds; a like reading was also observed at West Linton (Pentland Hills), though at Balmoral (930 ft.) the minimum was not nearly so low. The lowest temperatures on the grass were 264 a at West Linton, Cambridge, and Raunds, and 262 a at Hereford. The mean for the week was above the normal in all districts, the range of the excess being from less than 1 a in the English Channel to nearly 3 a in Scotland N. At Fort William the aggregate rainfall of the first two days of the week was as much as 124mm., following a total of 114mm. for the previous week. In Scotland N. the total rainfall was in excess of the normal, but in all other districts there was a deficiency. The records of bright sunshine were very variable, in Scotland N. and also in England S.W. the daily mean was less than the normal, elsewhere it was more; in England E. there was an excess of more than 1 hr. per day. Solar and lunar halos were very frequently seen in different parts of the country; at Norwich on the 7th the Zodiacal Light was observed.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	24	8·0	25	7·3	22	3·7	20	3·0	24	7·4	23	6·0	26	8·0	27	6·9
North	1	2·8	0	—	4	3·4	2	2·3	0	—	5	2·8	1	1·5	1	1·0
West	19	8·1	20	6·3	13	5·5	13	4·3	18	6·1	12	5·4	15	5·7	13	4·6
East	6	3·6	4	1·8	11	4·3	8	2·2	7	2·2	16	2·7	9	2·1	11	2·4
Calm	1	—	3	—	1	—	4	—	1	—	0	—	1	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *see below*, Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Moderate	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Very heavy	Light	Very light	Very light	Very light	Light	Light	Light	Very light	Moderate	Moderate	Very light
	Sunshine ...	Moderate	Abundant	Moderate	Abundant	Moderate	Abundant	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 10 weeks from Nov. 30th, 1919.	Warmth ...	1, 7, 2	3, 5, 2	2, 8, 0	7, 3, 0	5, 5, 0	7, 2, 1	3, 7, 0	5, 5, 0	6, 3, 1	6, 3, 1	5, 3, 2	6 3, 1
	Rainfall ...	5, 4, 1	3, 6, 1	5, 4, 1	6, 3, 1	6, 2, 2	5, 2, 3	7, 2 1	5, 3, 2	6, 2, 2	8, 2, 0	6, 4, 0	5, 2, 3
	Sunshine ...	3, 6, 1	7, 3, 0	4, 5, 1	1, 7, 2	2, 6, 2	2, 4, 4	2, 8, 0	3, 7, 0	2, 6, 2	3, 6, 1	1, 8, 1	1, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27363—19) Wt 162—833/512 625 2/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F.	°F
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	49	1st	35	5,6	46·3	37·7	42·0	+ 4·1	5	1·18	30	+ 5										
p Deerness, Orkney ..	165	49	2,7	36	4th	46·0	38·6	42·3	—	5	1·67	43	+ 21	Deerness ..	1·1	- 0·2	14	*	*	*	*	*	*
a Stornoway	51	52	1st	—	—	47·7	—	—	—	6	1·54	39	+ 7	Stornoway ..	0·8	- 0·6	9	*	*	*	*	*	*
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	*	*	*	*	*	*
b, Mainland. a Wick	81	49	3rd	33	5th	45·9	37·7	41·8	+ 4·6	3	0·39	10	- 6										
a Strathpeffer	125	55	2nd	30	6th	48·4	37·9	43·2	+ 6·4	4	0·92	23	+ 3										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	50	2nd	34	5,6	47·4	39·1	43·3	+ 5·1	6	6·01	153	+ 96										
1. SCOTLAND, E.																							
a Nairn	82	53	2nd	33	6th	48·6	38·1	43·4	+ 5·9	5	0·21	5	- 7	Nairn	2·4	—	29	*	*	*	*	*	*
p Gordon Castle	101	57	2nd	32	5th	49·4	38·7	44·1	+ 5·6	0	0·00	0	- 13	Gordon Castle..	3·5	—	42	*	*	*	*	*	*
a Aberdeen	46	55	2nd	33	5th	48·1	39·1	43·6	+ 5·4	0	0·00	0	- 14	Aberdeen ..	3·3	+ 1·3	39	1	25	*	*	38·8	- 0·6
a Balmoral	930	51	3rd	29	6th	44·3	36·0	40·2	+ 5·8	3	0·08	2	- 16	Balmoral ..	*	*	*	3	26	*	*	*	*
a Crieff	432	52	2, 3	30	1, 6	46·1	34·4	40·3	+ 2·7	4	0·84	21	- 3	Crathes	4·8	+ 2·5	57	3	18	34·2	- 0·9	35·8	- 1·8
a Dundee	244	56	2nd	28	5, 6	47·3	34·9	41·1	+ 3·7	2	0·05	1	- 12	Dundee	2·9	—	34	4	22	36·6	*	*	*
a Leith	30	55	2nd	32	5,6	48·7	38·1	43·4	+ 4·0	2	0·08	2	- 8	Leith	*	*	*	3	23	*	*	*	*
p Edinburgh	441	54	2, 3	33	5, 6	47·4	37·9	42·7	+ 4·5	2	0·06	2	- 9	Edinburgh ..	3·0	+ 0·9	35	3	25	*	*	*	*
a West Linton	769	51	2nd	22	5th	44·9	33·7	39·3	+ 4·4	3	0·16	4	—	West Linton ..	1·6	—	19	3	15	*	*	*	*
p Marchmont	498	50	2, 3	28	5th	46·9	32·3	39·6	+ 2·6	1	0·05	1	- 13	Marchmont .	2·4	+ 0·6	28	*	*	*	*	*	*
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	52	2nd	32	5th	47·3	38·7	43·0	—	6	1·63	42	—	Ford (Argyll) ..	*	*	*	1	25	39·6	—	39·6	—
p Glasgow Observatory	180	52	2, 3	33	5th	46·6	39·0	42·8	+ 3·8	5	0·72	18	- 1	Glasgow.. ..	1·2	+ 0·1	14	2	24	*	*	*	*
p Rothesay	200	53	3rd	34	5th	47·1	38·9	43·0	+ 3·2	5	0·40	10	- 16	Rothesay ..	0·8	—	10	1	26	39·9	—	41·4	- 0·5
a Kilmarnock	90	52	2nd	32	5th	47·6	39·6	43·6	+ 5·4	4	0·21	5	- 15	Kilmarnock ..	1·3	—	15	*	*	40·1	—	41·5	—
a Colmonell	170	52	2nd	31	5th	47·1	39·4	43·3	+ 4·4	2	0·25	6	- 19	Colmoneil ..	*	*	*	1	28	*	*	*	*
p Cally, Gatehouse ..	120	49	2, 3	26	6th	45·7	35·9	40·8	+ 2·2	3	0·36	9	- 16	Dumfries ..	1·6	—	18	4	22	39·3	+ 2·4	40·8	+ 0·7
p Dumfries	160	50	2, 3	28	5th	46·1	36·1	41·1	+ 2·6	4	0·19	5	- 14	Eskdalemuir ..	1·5	—	17	3	21	*	*	*	*
a Eskdalemuir	794	47	2nd	26	5th	43·0	32·4	37·7	—	5	0·95	24	—										
b, I. OF MAN p Douglas	277	48	1-3	33	5th	46·3	39·7	43·0	+ 2·2	2	0·25	6	- 15	Douglas	2·2	+ 0·2	26	2	25	*	*	*	*
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle ..	210	55	3rd	28	5th	47·0	36·6	41·8	+ 3·0	1	0·09	2	- 12										
a Tynemouth	118	53	3rd	31	5, 6	46·4	37·6	42·0	+ 2·6	1	0·04	1	- 9	Cockle Park ..	1·9	- 0·4	21	4	22	37·6	+ 1·7	39·5	+ 0·3
p Durham	336	53	3rd	25	5th	44·7	34·3	39·5	+ 1·5	1	0·01	0·2	- 10	Durham ..	2·3	+ 0·3	27	3	18	*	*	*	*
p Rounton	249	53	3rd	26	5th	45·6	35·6	40·6	+ 2·6	4	0·06	2	- 8	Rounton ..	*	*	*	4	16	38·1	*	*	*
a West Witton	605	52	3rd	25	5th	43·9	34·0	39·0	—	3	0·09	2	—	West Witton ..	*	*	*	4	21	37·3	—	39·6	—
p Scarborough	100	53	3, 7	33	5th	48·6	39·0	43·8	+ 4·1	1	0·03	1	- 11	Scarborough† ..	3·0	+ 1·1	35	*	*	*	*	40·5	—
p York	56	56	3rd	27	5th	46·4	36·0	41·2	+ 2·1	2	0·02	1	- 10	York	1·9	+ 0·4	22	—	—	39·7	+ 1·9	41·3	+ 0·1
b, South .. a Spurn Head	26	49	2, 3	33	1, 6	45·0	35·7	40·4	+ 1·1	0	0·00	0	- 9	Spurn Head ..	*	*	*	*	*	*	*	*	*
a Lincoln	58	53	3rd	28	5th	47·7	36·9	42·3	+ 3·7	1	0·02	1	- 9	Lincoln	*	*	*	3	24	39·8	+ 3·5	41·9	+ 1·4
a Fulbeck	180	54	3rd	26	5th	46·1	33·6	39·9	+ 1·4	3	0·07	2	- 8	Fulbeck ..	3·3	+ 1·1	38	*	*	—	—	—	—
														Skegness ..	3·8	+ 1·4	43	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	186	53	3rd	31	7th	48·7	34·9	41·8	+ 2·9	1	0·02	0·4	- 10	Cromer	4·5	+ 2·0	51	*	*	*	*	*	*
a Little Massingham ..	280	51	3rd	28	5, 7	47·0	33·4	40·2	+ 1·9	2	0·03	1	- 12	Lit. Massingham	3·8	+ 1·7	43	*	*	*	*	*	*
a Yarmouth	13	51	2nd	32	5, 6	46·3	38·0	42·2	+ 3·6	0	0·00	0	- 11	Yarmouth ..	3·9	—	44	1	30	42·1	+ 4·8	43·6	+ 1·2
a Norwich	93	50	2, 3	26	5th	46·7	35·9	41·3	+ 2·7	1	0·02	1	- 11	Norwich ..	3·5	—	39	3	22	38·9	*	*	*
a Geldeston	37	52	2nd	25	5th	48·6	34·4	41·5	+ 2·4	0	0·00	0	- 10	Geldeston ..	3·5	+ 1·2	40	*	*	*	*	*	*
p Cambridge	41	54	3rd	23	5th	49·0	33·9	41·5	+ 2·6	1	0·03	1	- 9	Cambridge ..	4·1	+ 1·7	45	4	16	41·1	+ 3·5	43·3	+ 1·3
a Clacton-on-Sea ..	54	50	2nd	34	5, 6	46·1	38·1	42·1	+ 3·2	0	0·00	0	- 9	Clacton	3·7	+ 1·0	41	1	27	41·4	+ 2·3	44·0	+ 0·6
a Rothamsted	424	50	2, 3	29	5th	46·4	36·3	41·4	+ 3·0	2	0·05	1	- 13	Rothamsted ..	3·1	+ 0·9	35	3	19	40·2	*	*	*
p Tottenham	51	51	2nd	31	7th	49·0	38·7	43·9	—	1	0·05	1	—	Tottenham ..	0·7	—	8	2	27	*	*	44·5	+ 1·3
														S'thend-on-Sea	4·0	—	44	0	32	41·9	+ 4·1	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	52	3rd	28	5th	44·0	34·7	39·4	+ 1·5	5	0·07	2	- 13	Harrogate ..	2·3	+ 0·2	27	4	20	39·2	+ 1·8	40·3	+ 0·6
p Sheffield	429	52	3rd	30	5th	45·7	37·1	41·4	—	3	0·03	1	—	Sheffield.. ..	1·9	+ 0·1	22	3	24	38·8	+ 1·9	41·2	+ 0·2
p Buxton	987	49	3rd	25	5th	42·3	54·9	38·6	—	2	0·17	4	- 23	Buxton	1·7	—	20	3	25	37·0	+ 0·6	39·7	- 1·7
b, East .. a Worksop	56	52	1, 3	25	5, 6	46·0	34·7	40·4	+ 1·4	3	0·04	1	- 10	Worksop ..	1·1	- 0·6	13	5	19	39·5	—	41·3	—
a Nottingham	82	53	3rd	26	5, 6	46·3	34·6	40·5	+ 1·5	1	0·04	1	- 10	Nottingham ..	1·0	- 0·6	11	3	19	39·0	+ 2·8	40·6	+ 1·3
p Birmingham, Edgbsn.	535	52	3rd	30	5th	45·9	37·6	41·8	+ 2·7	2	0·11	3	- 9	Birmingham ..	1·8	+ 0·3	20	3	17	40·8	+ 1·9	43·8	+ 0·1
a Raunds	203	55	3rd	21	5th	47·6	33·3	40·5	+ 2·3	1	0·02	1	- 9	Raunds	3·1	—	36	4	20	*	*	*	*
p Oxford	208	54	3rd	27	5th	48·1	36·1	42·1	+ 2·3	1	0·02	1	- 10	Oxford	3·2	+ 1·0	36	4	20	*	*	*	*
														Malvern	2·9	—	33	3	23	40·3	—	42·3	—
c, West .. a Cheadle (N. Staffs.) ..	646	49	3rd	29	5th	44·9	35·1	40·0	+ 2·1	1	0·11	3	- 12	Cheadle	*	*	*	4	27	*	*	*	*
p Tenbury	313	52	3rd	23	5th	47·9	35·7	41·8	+ 2·0	1	0·02	1	- 9	Tenbury	*	*	*	4	19	40·5	—	—	—
a Hereford	291	52	1, 3	25	5th	47·7	35·9	41·8	+ 2·4	1	0·02	1	- 12	Ross-on-Wye ..	2·5	—	28	1	20	—	—	—	—
a Clifton	228	51	2nd	30	5th	47·7	39·0	43·4	+ 2·7	1	0·08	2	- 18	Clifton	2·5	—	27	2	27	*	*	*	*
														Worthing ..	2·9	+ 0·1	31	0	32	42·9	+ 3·6	44·7	+ 0·9
5. ENGLAND, S.E.																							
a Marlborough	424	50	3rd	24	5th	46·3	34·4	40·4	+ 1·8	3	0·06	1	- 15	Marlborough ..	1·8	- 0·1	19	3	20	41·8	—	44·5	—
p Salisbury (Wilton) ..	180	51	1, 3	28	5th	49·1	37·1	43·1	+ 4·0	2	0·15	4	- 14	Salisbury ..	*	*	*	2	23	42·8	*	*	*
a Wisley, Surrey ..	150	50	3rd	27	5th	47·3	36·3	41·8	+ 2·4	3	0·09	2	- 9	Wisley	2·6	+ 0·6	29	3	19	41·9	+ 3·8	44·0	+ 1·9
a Tunbridge Wells ..	354	51	3rd	31	7th	48·0	36·9	42·5	+ 3·5	2	0·08	2	- 13	Tunbridge Wells	2·9	+ 0·7	32	5	20	42·5	+ 6·1	43·9	—
a Margate	51	51	2, 3	36	7th	48·1	39·7	43·9	+ 3·6	1	0·01	0·3	- 9	Margate	3·3	+ 1·1	37	1	29	42·5	+ 2·8	44·3	+ 1·6
a Dungeness	21	49	2nd	38	1, 2, 7	47·1	40·6	43·9	+ 3·7	1	0·04	1	- 10	Folkestone ..	4·3	—	47	*	*	*	*	45·0	—
p St. Leonards	178	49	1, 3	37	1st	47·1	40·3	43·7	+ 3·2	1	0·07	2	- 12	St. Leonards ..	3·6	+ 1·0	40	0	32	42·4	—	44·0	—
p Southampton	64	52	1st	31	5th	48·0	39·1	43·6	+ 2·3	2	0·07	2	- 14	Southampton ..	1·7	- 0·7	18	3	25	*	*	*	*
a Ventnor	59	52	3rd	40	5th	48·4	42·6	45·5	+ 3·0	3	0·16	4	- 11	Ventnor	2·0	- 0·7	22	*	*	*	*	*	*
LONDON. a Richmond (Kew Obs.)	18	50	2, 3	28	5, 6	48·3	37·0	42·7	+ 2·6	2	0·09	2	- 8	Richmond ..	2·6	+ 0·8	29	3	20	41·7	+ 3·8	44·1	+ 1·1
a Westminster	27	51	1-3	35	5, 7	49·4	39·2	44·3	+ 3·6	2	0·08	2	- 8	Westminster ..	1·8	+ 0·8	20	4	26	*	*	*	*
ag Greenwich	150	52	2nd	29	5, 7	48·6	36·6	42·6	+ 3·6	2	0·13	3	- 6	Greenwich ..	3·6	+ 1·9	40	3	22	*	*	*	*
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	—	—	—	—
ag Camden Square ..	110	51	2, 3	28	5th	48·1	36·4	42·3	+ 2·3	2	0·08	2	- 9	Camden Square	—	—	—	3	25	*	*	*	*
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	3rd	31	5th	44·9	36·9	40·9	+ 2·2	4	0·46	12	- 9	Aspatria.. ..	2·3	+ 0·5	26	3	27	39·8	+ 0·9	41·8	- 1·1
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	575	54	3rd	28	6th	45·9	36·9	41·4	+ 2·9	2	0·23	6	- 19	Stonyhurst ..	1·8	- 0·2	15	2	25	*	*	*	*
p Blackpool	66	52	3rd	30	1st	45·9	36·9	41·4	+ 2·0	4	0·30	8	- 8	Blackpool ..	1·7	- 0·2	20	3	23	41·7	—	43·9	—
a Southport	37	55	3rd	30	5th	46·7	38·6	42·7	+ 3·2	4	0·28	7	- 8	Southport ..	2·0	+ 0·1	23	1	24	39·2	+ 2·9	40·8	+ 1·0
														Hoylake ..	2·9	+ 1·0	32	*	*	*	*	*	*
a Liverpool (Bidston) ..	188	54	3rd	31	5, 6	47·4	38·3	42·9	+ 2·9	2	0·20	5	- 7	Liverpool ..	2·5	—	28	2	25	*	*	*	*
a Hawarden Bridge ..	22	58	3rd	29	5th	49·1	38·7	43·9	+ 3·3	3	0·31	8	- 2	Manchester(City)	0·8	0·0	9	0	31	39·9	+ 2·6	42·4	+ 0·1
p Mancnester (Whit. Pk.)	125	54	3rd	31	5th	47·4	38·6	43·0	+ 3·0	2	0·15	4	- 10	Whitworth Park	0·8	- 0·2	9	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	16	57	3rd	31	5th	50·4	38·3	44·4	+ 2·5	2	0·57	14	- 2	Llandudno ..	4·0	+ 2·1	46	*	*	*	*	*	*
a Holyhead	15	49	3rd	32	6th	47·3	40·4	43·9	+ 1·9	4	0·41	10	- 8	Holyhead ..	2·0	—	22	1	24	*	*	*	*
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. a. SOUTH WALES.																							
a Aberystwyth	59	54	3rd	32	5th	49·1	39·1	44·1	—	4	0·36	9	—	Aberystwyth ..	2·6	+ 0·4	29	•	•	•	•	•	•
a Rhayader	767	50	3rd	22	5th	45·7	34·0	39·9	—	4	0·20	5	—	Rhayader ..	2·6	—	29	3	14	•	•	•	•
a St. Ann's Head	149	49	1,3	34	5th	47·4	41·4	44·4	+ 1·6	2	0·20	5	- 14	St. Ann's Head	1·2	- 1·0	14	•	•	•	•	•	•
p Cardiff	202	52	3rd	31	5th	47·9	39·0	43·5	+ 3·7	0	0·00	0	- 20	Cardiff	1·3	—	15	1	23	42·3	+3·4	44·2	+1·4
b. ENGLAND, S.W.																							
a Bath	60	55	3rd	29	5th	50·3	38·9	44·6	+ 4·4	1	0·04	1	- 13	Bath	2·6	+ 0·5	29	—	—	43·2	+4·4	44·7	+1·4
a Shaftesbury	722	55	4th	32	5th	46·6	37·0	41·8	+ 3·3	2	0·14	4	- 11	Shaftesbury ..	•	•	•	•	•	41·2	—	43·6	—
a Arlington	613	51	3rd	32	5th	46·9	38·8	42·9	+ 3·2	1	0·14	4	- 23										
a Newquay	190	52	3rd	34	5th	49·2	42·0	45·6	+ 2·0	1	0·07	2	- 16	Newquay ..	1·2	- 1·2	13	—	—	45·5	—	47·3	—
a Cullompton	202	53	2nd	29	5th	49·4	38·4	43·9	+ 3·4	1	0·02	1	- 18	Cullompton ..	1·0	- 1·1	11	2	25	44·0	•	•	•
a Portland Bill	19	50	2, 3	40	5, 6	48·6	42·6	45·6	+ 3·2	3	0·13	3	- 10	Weymouth ..	0·6	—	6	•	•	•	•	•	•
p Plymouth	116	50	3rd	37	5th	48·6	42·0	45·3	+ 2·6	1	0·09	2	- 17	Plymouth ..	0·6	- 1·7	7	1	27	44·7	+3·4	47·0	—
a Falmouth	167	52	3rd	35	5th	49·1	41·7	45·4	+ 1·7	1	0·07	2	- 23	Falmouth ..	0·9	- 1·6	10	1	27	45·9	—	46·8	—
9. IRELAND, N.																							
a West .. a Mallarany	120	53	7th	35	5th	50·1	41·7	45·9	—	4	1·04	26	—	Mallarany ..	1·7	—	20	0	32	—	—	•	•
a West .. a Malin Head ..	208	53	2nd	32	1st	49·4	38·1	43·8	+ 3·0	4	0·31	8	- 8	Malin Head ..	2·2	—	25	•	•	•	•	•	•
a West .. a Blacksod Point ..	37	55	6th	33	1, 7	50·1	38·6	44·4	+ 2·0	5	0·98	25	- 4	Markree Castle	2·0	+ 0·3	23	2	24	42·2	+2·0	43·5	-0·4
a West .. p Markree Castle ..	122	55	2, 3	30	4, 5	51·0	39·4	45·2	+ 5·3	4	0·46	12	- 11										
b. East .. p Armagh	196	56	2nd	33	5th	49·3	39·4	44·4	+ 4·7	4	0·33	8	- 7	Armagh	2·7	+ 1·0	31	0	29	41·2	+1·5	42·7	-0·2
b. East .. a Donaghadee	39	55	2nd	30	5, 6	49·6	37·3	43·5	+ 2·8	4	0·29	7	- 8										
10. IRELAND, S.																							
p Dublin, City	47	56	3rd	31	5th	50·4	40·9	45·7	+ 3·5	3	0·61	15	+ 3	Trinity Coll. ..	2·8	—	31	2	?16	42·7	+2·2	44·6	+1·1
a Birr Castle	175	57	2nd	30	5, 6	50·1	38·3	44·2	+ 3·8	3	0·63	16	+ 2	Phœnix Park ..	3·4	+ 1·3	38	4	24	•	•	•	•
a Kilkenny	195	54	2nd	25	5th	49·6	36·6	43·1	+ 2·4	4	0·59	15	- 1	Dublin City ..	•	•	•	2	26	•	•	•	•
a Waterford	137	50	1-4	30	5th	49·0	39·3	44·2	+ 2·1	5	0·38	10	- 9	Birr Castle ..	2·1	+ 0·2	23	3	20	•	•	•	•
p Seskin, Carrick-on-Suir	535	51	2nd	31	5th	47·4	39·0	43·2	—	6	0·72	18	—	Seskin	1·4	—	16	2	22	•	•	•	•
a Cahir	198	52	2nd	26	5th	49·0	37·9	43·5	+ 2·5	3	0·24	6	—										
a Foynes	50	57	2nd	31	5th	52·1	41·7	46·9	+ 4·6	6	0·64	16	- 3										
a Cahirciveen (Val. Obs.)	30	54	2nd	35	5th	51·6	43·9	47·8	+ 3·3	5	0·55	14	- 16	Cahirciveen ..	1·3	- 0·6	14	1	29	•	•	•	•
a Killarney	174	54	2nd	34	5th	51·6	42·1	46·9	+ 4·0	7	0·97	25	- 6	Ballinacurra ..	1·4	- 0·8	15	•	•	•	•	•	•
a Roche's Point	32	51	1, 3	35	5th	49·6	41·9	45·8	+ 2·2	6	0·48	12	- 10										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	3, 7	42	5th	49·7	44·3	47·0	+ 1·3	2	0·12	3	- 14	Scilly	1·7	- 0·8	18	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	51	2nd	35	3, 4	48·0	40·4	44·2	+ 1·1	0	0·00	0	- 16	St. Heliers ..	3·1	+ 0·3	34	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	50	1, 2	40	3rd	48·4	43·1	45·8	+ 2·1	2	0·10	3	- 15	Guernsey† ..	2·2	- 0·3	24	0	32	45·4	+3·0	47·1	+1·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 7t,h 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	31,1	2	31 to 6	77	70	16	3	0	280	19	1	6	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	65	101	2	0	200	10	2	10	23	1	5	45
Aberdeen	153	105	52	—	—	1, 2	13	62	88	5	0	260	15	1	5	28	1	5	15
Edinburgh	485	39	31	1, 2	3	1 to 3, 7	59	38	45	23	0	220	18	2	18	30	1	2	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	1, 3	9	1 to 3	42	44	44	29	0	260	22	1	2	32	1	2	5
Paisley	188	81	15	—	—	1 to 3, 7	32	60	71	5	0	280	15	1	2	33	1	1	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	1	1	54	80	33	0	230	12	1	1	25	1	3	55
South Shields	72	61	12	1	1	1, 2	15	76	68	8	0	280	17	1	3	29	1	4	15
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	117	45	6	0	170	9	7	22	17	2	8	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	2	1	92	47	28	0	230	11	2	13	17	2	11	30
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	41	124	3	0	—	9	2	9	13	2	9	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	1, 2	16	116	31	4	1	230	17	2	12	19	2	12	0
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	51	88	31	0	240	8	2	13	17	2	10	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	1	7	1 to 3	11	109	40	1	0	260	21	1	4	—	—	—	—
Southport	80	62	48	1	7	1 to 3	51	87	23	0	0	270	22	1	6	29	1	6	20
Holyhead	60	40	‡	1	4	1 to 3, 6	54	69	31	3	7	260	21	1	2	29	1	1	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	1 to 3, 5	31	110	27	0	0	220	17	2	12	21	2	12	5
Plymouth	185	88	2	—	—	—	—	54	80	4	0	—	10	6	2	18	1	0	25
Lyme Regis	556	61	‡	—	—	—	—	49	76	43	0	—	10	1	11	16	1	0	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	1	2	1 to 3, 5 to 7	22	111	23	10	0	230	19	1	9	—	—	—	—
Quilty	100	40	‡	—	—	1 to 3, 5 to 7	99	54	15	0	0	—	16	7	1	22	1	20	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	1 to 3, 5 to 7	89	41	37	1	0	210	14	2	13	22	2	3	30
Weaver Pt.	160	30	‡	—	—	1, 2	27	73	16	36	16	—	17	2	7	25	2	6	25
11 ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	1	3	110	54	1	0	290	14	1	1	22	1	0	15

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees

** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTH WEEK of 1920—February 1st to February 7th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	30	81·3	76·4	78·9	+ 2·8	21	+ 14	11	−27	5	− 1	2·01	51	+ 16	1·0	−0·3	12	1014
Eastern.																			
1. SCOTLAND, EAST ...	57	22	81·4	75·4	78·4	+ 2·5	14	+ 7	24	−19	2	− 2	0·18	4	− 11	3·1	+1·2	37	1019
2. ENGLAND, N.E. ...	56	25	81·0	75·3	78·2	+ 1·4	12	+ 3	24	− 8	2	− 2	0·04	1	− 10	2·7	+0·7	31	1027
3. ENGLAND, EAST ...	54	23	81·6	75·2	78·4	+ 1·6	15	+ 5	25	− 9	1	− 3	0·02	1	− 10	3·4	+1·1	30	1032
4. MIDLAND COUNTIES ...	55	21	81·1	75·1	78·1	+ 1·2	13	+ 2	26	− 7	2	− 2	0·05	1	− 12	2·0	+0·1	23	1031
5. ENGLAND, S.E.	52	24	81·8	76·6	79·2	+ 1·6	23	+ 10	10	−16	2	− 2	0·08	2	− 11	2·8	+0·5	30	1033
Western.																			
6. SCOTLAND, WEST ...	53	26	81·2	76·6	78·9	+ 1·8	19	+ 10	10	−19	4	− 1	0·50	13	− 13	1·7	+0·2	20	1024
7. ENGLAND, N.W.	58	28	81·5	76·4	79·0	+ 1·6	22	+ 11	11	−14	3	− 2	0·33	8	− 10	2·5	+0·8	28	1028
8. ENGLAND, S.W.	55	22	81·9	77·1	79·5	+ 1·3	23	+ 7	7	−13	2	− 3	0·10	3	− 18	1·6	−0·6	17	1031
9. IRELAND, NORTH ...	57	30	82·9	76·6	79·8	+ 2·0	31	+ 18	10	−13	4	− 1	0·50	13	− 7	2·3	+0·7	27	1020
10. IRELAND, SOUTH ...	57	25	83·2	77·6	80·4	+ 1·7	30	+ 10	5	−13	5	0	0·55	14	− 6	2·0	+0·1	23	1026
11. ENGLISH CHANNEL ...	51	35	82·3	78·9	80·6	+ 0·8	26	+ 2	0	− 7	1	− 4	0·07	2	− 15	2·3	−0·3	25	1032

THE SEASON (Winter).—Aggregates, &c., for the Period of 10 Weeks, November 30th, 1919, to February 7th, 1920.

0. SCOTLAND, NORTH ...	55	19	79·2	74·0	76·7	+ 0·1	55	− 20	309	− 18	55	+ 2	16·84	428	+ 91	0·8	0·0	11	1000
Eastern.																			
1. SCOTLAND, EAST ...	57	14	78·8	73·4	76·2	+ 0·2	43	− 26	374	− 23	47	+ 6	7·40	188	+ 28	1·7	+0·5	24	1003
2. ENGLAND, N.E.	57	23	80·2	74·6	77·5	+ 0·8	102	+ 17	267	− 57	46	+ 8	5·49	140	+ 25	1·6	+0·3	21	1008
3. ENGLAND, EAST ..	57	20	81·0	74·8	78·0	+ 1·3	152	+ 57	255	− 94	46	+ 5	6·38	162	+ 46	1·6	+0·1	20	1013
4. MIDLAND COUNTIES ...	57	17	81·1	75·0	78·2	+ 1·6	169	+ 64	231	−133	48	+ 7	7·44	188	+ 50	1·4	+0·1	18	1012
5. ENGLAND, S.E.	57	17	81·7	76·0	79·0	+ 1·4	225	+ 84	158	−106	49	+10	8·25	211	+ 61	1·5	−0·1	18	1014
Western.																			
6. SCOTLAND, WEST ...	55	19	80·1	75·1	77·7	+ 0·3	102	− 5	230	− 30	58	+10	15·74	400	+113	1·4	+0·3	18	1007
7. ENGLAND, N.W.	59	24	81·1	75·9	78·6	+ 1·1	167	+ 55	173	− 86	50	+ 7	9·72	246	+ 56	1·4	+0·2	18	1009
8. ENGLAND, S.W.	60	17	82·2	76·8	79·6	+ 1·2	252	+ 75	100	− 93	56	+10	13·37	337	+ 94	1·6	0·0	19	1013
9. IRELAND, NORTH ...	59	20	81·6	75·5	78·7	+ 0·8	213	+ 77	191	− 34	62	+11	12·61	321	+107	1·5	+0·2	19	1005
10. IRELAND, SOUTH ...	61	22	82·6	76·5	79·7	+ 0·8	278	+ 68	123	− 51	60	+11	12·36	313	+ 70	1·7	+0·1	21	1010
11. ENGLISH CHANNEL ...	54	29	82·9	78·9	81·0	+ 0·7	331	+ 47	16	− 51	53	+ 2	9·60	244	+ 39	1·7	−0·3	21	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 5 Weeks, January 4th to February 7th, 1920.

0. SCOTLAND, NORTH ...	55	19	79·7	74·3	77·1	+ 0·7	35	+ 2	139	−36	28	+ 2	10·21	260	+93	0·8	−0·1	11	1002
Eastern.																			
1. SCOTLAND, EAST ...	57	19	79·6	73·8	76·8	+ 0·9	30	− 2	165	−41	22	+ 2	3·01	76	+ 3	1·9	+0·5	25	1006
2. ENGLAND, N.E.	57	24	80·8	74·8	77·9	+ 1·4	76	+37	120	−53	21	+ 3	2·35	60	+ 9	2·1	+0·6	26	1012
3. ENGLAND, EAST ...	57	20	81·6	75·0	78·4	+ 2·1	92	+51	119	−70	18	− 2	2·18	56	+ 4	2·0	+0·2	24	1017
4. MIDLAND COUNTIES ...	57	20	81·6	75·1	78·5	+ 2·1	95	+48	116	−76	22	+ 2	3·19	80	+19	1·7	+0·2	21	1016
5. ENGLAND, S.E.	57	17	81·9	76·2	79·2	+ 2·0	118	+60	71	−76	22	+ 3	3·20	82	+19	1·9	+0·1	22	1018
Western.																			
6. SCOTLAND, WEST ...	55	23	80·5	75·2	77·9	+ 0·8	64	+17	107	−32	29	+ 5	6·51	165	+36	1·4	+0·2	18	1009
7. ENGLAND, N.W.	59	25	81·4	75·8	78·7	+ 1·5	97	+49	87	−52	23	+ 2	4·23	108	+22	1·6	+0·2	19	1013
8. ENGLAND, S.W.	60	17	82·2	76·7	79·5	+ 1·5	121	+44	57	−53	24	+ 2	5·31	134	+32	1·7	0·0	20	1017
9. IRELAND, NORTH ...	59	25	81·9	75·5	78·8	+ 1·0	113	+49	97	−23	29	+ 4	5·21	132	+33	1·7	+0·3	22	1007
10. IRELAND, SOUTH ...	61	22	82·9	76·7	79·9	+ 1·3	145	+47	60	−34	29	+ 5	5·87	149	+41	1·8	+0·1	22	1013
11. ENGLISH CHANNEL ...	54	29	82·7	78·6	80·7	+ 0·9	156	+35	13	−29	22	− 3	3·71	94	+ 9	2·0	−0·1	25	1020
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: February 13th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

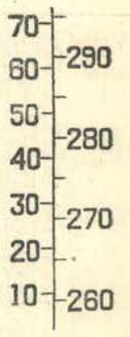
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 6.

SIXTH WEEK,
SUNDAY, FEBRUARY 8TH TO SATURDAY, FEBRUARY 14TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was characterised by a continuance of the Atlantic type which has prevailed since the first week of the year. Barometric pressure was persistently high to the southward of the British Isles and low in the west and north, the winds being mostly from between S. and W.; gale force was attained in different parts of the country during the first half of the week. Some warm days were again experienced, 287 a was registered at Glencarron on the 9th, and 286 a at Gordon Castle and many other stations on the 9th or 10th; over England S.E. and England S.W. the 14th was generally the warmest day, with maxima of about 285 a at inland stations; on the coasts of those districts, however, the thermometer failed to exceed 283 a all the week. In most parts of England the minima in the screen went below 273 a on the morning of the 9th or 10th, with a grass minimum of 266 a at Wisley. The mean temperature of the week was everywhere above normal, the divergence varying from 1 a in Scotland N. to 3 a in the Midland Counties and England N.W. Precipitation was abnormally heavy in Scotland N. and Scotland W., and rather heavy in Scotland E. and England N.W., but in most other districts, although rain fell on more days than is usual, the total fall was less than the normal. In Scotland and the north of England, there was considerable snow or sleet. At Glencarron the aggregate rainfall for the 8th and 9th was 87mm. and at Fort William for the same period 103mm. Rivers are reported to be in flood in different parts of Great Britain. The duration of bright sunshine was small generally, in Scotland N. and Scotland E. there was a slight excess, elsewhere there was a deficiency; in some parts of England the records were very small, at Worksop only 8 per cent. of the possible duration, and at Nottingham 10 per cent. Solar halos were observed at Oxford on the 8th, 9th and 12th, at Aberdeen on the 12th and 13th, and at Tenbury on the 12th. The Zodiacal Light was seen at Oxford on the 10th, 11th and 12th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	21	7·1	26	6·6	21	4·2	21	3·8	23	6·5	16	3·6	26	5·6	21	5·3
North	7	6·6	1	0·6	2	1·4	1	1·0	3	4·3	10	2·6	0	—	5	2·4
West	23	8·1	24	7·9	27	6·2	26	4·4	26	8·1	27	7·5	25	8·2	26	7·2
East	4	5·5	3	2·9	1	2·7	0	—	1	1·5	0	—	1	1·5	0	—
Calm	0	—	0	—	0	—	2	—	1	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very heavy	Heavy	Moderate	Light	Moderate	Light	Very heavy	Heavy	Moderate	Heavy	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 11 weeks from Nov. 30th, 1919.	Warmth ...	1, 8, 2	4, 5, 2	3, 8, 0	8, 3, 0	6, 5, 0	8, 2, 1	4, 7, 0	6, 5, 0	7, 3, 1	7, 3, 1	6, 3, 2	7, 3, 1
	Rainfall ...	6, 4, 1	4, 6, 1	5, 5, 1	6, 3, 2	6, 3, 2	5, 2, 4	8, 2, 1	6, 3, 2	6, 3, 2	9, 2, 0	6, 5, 0	5, 3, 3
	Sunshine ...	3, 7, 1	7, 4, 0	4, 6, 1	1, 7, 3	2, 6, 3	2, 5, 4	2, 9, 0	3, 8, 0	2, 6, 3	3, 6, 2	1, 8, 2	1, 4, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27439—19) Wt 162—833/512 625 2/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft Mean.	Earth 4 ft Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F.
0. SCOTLAND, N.																						
a Lerwick	54	47	9, 12	30	12, 14	42·3	34·1	38·2	+ 0·4	7	1·73	44	+ 24									
a, Islands .. p Deerness, Orkney ..	165	48	9th	28	14th	43·6	34·3	39·0	—	7	1·14	29	+ 10	Deerness ..	2·2	+ 0·7	25	•	•	•	•	•
a Stornoway	51	50	9th	28	14th	46·1	34·3	40·2	+ 1·6	7	2·20	56	+ 28	Stornoway ..	1·6	0·0	19	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•
b, Mainland. a Wick	81	50	9th	31	13, 14	43·4	34·4	38·9	+ 1·7	7	0·71	18	+ 4									
a Strathpeffer	125	52	9th	29	14th	44·7	34·1	39·4	+ 2·5	5	1·88	48	+ 31									
p Glencarron	500	58	9th	28	14th	45·3	32·7	39·0	+ 2·5	7	5·89	150	+103									
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—									
p Fort William	171	51	10th	30	14th	46·4	35·9	41·2	+ 3·0	7	7·13	181	+134									
1. SCOTLAND, E.																						
a Nairn	83	52	9th	30	13, 14	45·7	33·6	39·7	+ 2·4	7	0·92	23	+ 11	Nairn	2·2	—	25	•	•	•	•	•
p Gordon Castle ..	101	56	9th	28	14th	47·0	33·6	40·3	+ 2·0	6	0·60	15	+ 3	Gordon Castle..	3·1	—	36	•	•	•	•	•
a Aberdeen	46	53	9th	32	14th	47·6	35·1	41·4	+ 3·4	5	0·38	10	- 3	Aberdeen ..	3·6	+ 1·2	41	3	28	•	•	39·3	+0·1
a Balmoral	930	50	9th	26	14th	41·7	33·0	37·4	+ 3·2	7	0·98	25	+ 8	Balmoral ..	•	•	•	4	22	•	•	•	•
p Crieff	432	53	10th	31	9, 12, 14	46·7	33·3	40·0	+ 2·4	7	1·74	44	+ 21	Crathes	3·5	+ 0·9	40	3	22	35·7	+0·4	36·3	-1·3
a Dundee	244	52	10th	30	12, 14	47·0	34·3	40·7	+ 3·5	6	0·79	20	+ 8	Dundee	2·9	—	33	4	24	37·0	•	•	•
a Leith	30	53	9th	35	14th	48·3	36·9	42·6	+ 3·4	6	1·14	29	+ 20	Leith	•	•	•	3	22	•	•	•	•
p Edinburgh	441	51	10th	33	14th	45·7	36·0	40·9	+ 2·9	6	1·13	29	+ 19	Edinburgh ..	2·2	- 0·4	25	1	28	•	•	•	•
a West Linton	769	49	9th	29	14th	44·3	33·6	39·0	+ 4·0	7	2·44	62	—	West Linton ..	1·6	—	18	2	18	•	•	•	•
p Marchmont	498	51	13th	30	12th	46·4	32·9	39·7	+ 2·8	5	0·91	23	+ 10	Marchmont .	2·0	- 0·2	23	•	•	•	•	•	•
6. a, SCOTLAND, W																						
a Ford (Argyll)	149	51	9th	29	14th	46·2	35·4	40·8	—	7	3·26	83	—	Ford (Argyll) ..	•	•	•	2	23	40·3	—	40·3	—
p Glasgow Observatory	180	51	10th	33	14th	46·1	37·1	41·6	+ 2·7	7	2·75	70	+ 51	Glasgow.. ..	1·0	- 0·5	11	2	24	•	•	•	•
p Rothesay	200	50	10th	33	14th	46·4	36·1	41·3	+ 1·6	7	3·11	79	+ 52	Rothesay ..	1·6	—	17	2	26	40·4	—	42·0	+0·3
a Kilmarnock	90	50	9, 13	32	14th	47·1	38·0	42·6	+ 4·3	7	2·69	68	+ 47	Kilmarnock ..	1·5	—	17	•	•	40·9	—	41·8	—
a Colmonell	170	51	9, 10	36	11th	47·7	40·0	43·9	+ 5·2	7	1·97	50	+ 24	Colmonell ..	•	•	•	0	34	•	•	•	•
p Cally, Gatehouse ..	120	50	10th	34	14th	46·6	38·0	42·3	+ 3·8	7	2·80	71	+ 44	Dumfries ..	1·8	—	20	2	27	40·4	+2·9	41·0	+1·0
p Dumfries	160	51	10th	34	14th	46·6	37·4	42·0	+ 3·5	7	2·07	53	+ 33	Eskdalemuir ..	1·6	—	18	3	25	•	•	•	•
a Eskdalemuir	794	48	10th	27	8th	44·1	33·1	38·6	—	7	3·78	96	—									
b, I. OF MAN p Douglas	277	51	10th	38	12th	47·3	40·3	43·8	+ 3·2	6	1·17	30	+ 8	Douglas	2·2	- 0·3	24	0	32	•	•	•	•
2. ENGLAND, N.E																						
a Alnwick Castle ..	210	54	10th	32	8th	48·9	35·6	42·3	+ 4·0	5	0·44	11	0									
a Tynemouth	118	56	10th	34	8th	48·9	37·1	43·0	+ 4·1	2	0·13	3	- 5	Cockle Park ..	2·4	- 0·3	26	3	29	38·2	+1·8	40·3	+1·2
p Durham	336	54	10th	33	8th	47·0	36·9	42·0	+ 4·4	2	0·24	6	- 2	Durham ..	2·7	+ 0·5	30	3	26	•	•	•	•
a North .. p Rounton	249	53	10th	34	8, 9	47·3	37·6	42·5	+ 4·9	5	0·22	6	- 3	Rounton ..	•	•	•	3	24	38·5	•	•	•
a West Witton	605	50	9, 10	30	8th	46·6	36·6	41·6	—	7	1·35	34	—	West Witton ..	•	•	•	2	28	37·7	—	39·6	—
p Scarborough	100	54	10th	36	9th	49·7	39·4	44·6	+ 5·3	5	0·27	7	- 3	Scarborough† ..	2·4	+ 0·2	27	•	•	•	•	—	—
p York	56	53	10th	35	8th	48·4	39·6	44·0	+ 5·2	5	0·23	6	- 3	York	1·8	- 0·1	19	—	—	39·4	+1·4	41·2	+0·2
b, South a Spurn Head	26	53	10th	32	9th	47·1	35·7	41·4	+ 2·5	4	0·20	5	- 2	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	54	10, 13	33	8, 9	49·9	38·3	44·1	+ 5·7	5	0·24	6	- 3	Lincoln	•	•	•	2	28	39·4	+2·7	41·7	+1·4
a Fulbeck	180	53	10th	32	8th	48·9	37·1	43·0	+ 4·8	5	0·15	4	- 5	Fulbeck ..	1·2	- 1·4	13	•	•	—	—	—	—
														Skegness ..	1·6	- 1·2	17	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	54	10th	30	9, 10	48·9	33·6	41·3	+ 2·7	5	0·09	2	- 5	Cromer	2·2	- 0·4	23	•	•	•	•	•	•
a Little Massingham ..	280	52	10th	30	9th	47·7	34·4	41·1	+ 2·9	5	0·08	2	- 8	Lit. Massingham	0·9	- 1·4	9	•	•	•	•	•	•
a Yarmouth	13	54	10th	33	10th	49·6	37·4	43·5	+ 5·2	5	0·26	7	- 2	Yarmouth ..	2·4	—	25	0	32	41·9	+3·7	43·4	+1·2
a Norwich	93	53	10th	34	9th	49·1	37·6	43·4	+ 4·9	5	0·21	5	- 5	Norwich ..	1·9	—	20	3	27	38·9	—	•	•
a Geldeston	37	55	10th	31	9th	50·6	35·7	43·2	+ 4·3	4	0·15	4	- 4	Geldeston ..	2·1	- 0·3	22	•	•	•	•	•	•
p Cambridge	41	55	13th	31	8th	51·1	38·0	44·6	+ 5·8	2	0·03	1	- 7	Cambridge ..	1·8	- 0·6	19	3	29	40·7	+2·5	43·1	+1·3
a Clacton-on-Sea ..	54	50	10, 13, 14	33	9th	48·9	37·4	43·2	+ 4·7	1	0·10	3	- 4	Clacton	2·2	- 0·5	24	1	30	41·8	+2·2	44·0	+0·7
a Rothamsted	424	52	14th	31	9th	49·0	36·7	42·9	+ 4·7	5	0·15	4	- 7	Rothamsted ..	2·1	- 0·1	23	3	24	39·8	•	•	•
p Tottenham	51	55	13th	35	9th	50·9	40·7	45·8	—	5	0·23	6	—	Tottenham ..	1·6	—	17	0	32	•	•	44·1	+1·1
														S'thend-on-Sea	1·9	—	20	0	32	41·9	+3·6	—	—
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	51	10th	32	8th	47·1	38·3	42·7	+ 5·1	6	1·23	31	+ 18	Harrogate ..	1·6	- 0·6	17	1	27	39·5	+1·8	40·4	+0·9
p Sheffield	429	53	13th	36	11th	48·3	39·7	44·0	—	7	1·21	31	—	Sheffield.. ..	1·6	- 0·4	17	1	29	39·3	+2·0	41·2	+0·5
p Buxton	987	48	10th	35	8, 11	44·9	38·0	41·5	—	7	1·84	47	+ 23	Buxton	1·2	—	13	1	28	38·2	+1·5	39·7	-1·3
b, East a Worksop	56	55	10th	31	8th	50·1	37·6	43·9	+ 5·1	6	0·20	5	- 5	Worksop ..	0·7	- 1·1	8	3	24	39·1	—	41·0	—
a Nottingham	82	53	13th	27	8th	48·7	36·3	42·5	+ 3·8	3	0·56	14	+ 4	Nottingham ..	0·9	- 0·9	10	3	25	40·1	+3·4	40·4	+1·3
p Birmingham, Edgbsn.	535	52	10th	36	9, 12	49·1	40·1	44·6	+ 5·9	5	0·18	5	- 8	Birmingham ..	1·5	- 0·1	16	1	29	41·3	+2·0	43·7	+0·3
a Raunds	203	54	10th	31	9th	50·1	35·7	42·9	+ 4·9	3	0·12	3	- 6	Raunds	1·7	—	19	3	24	40·1	—	42·6	—
p Oxford	208	55	14th	36	12th	50·6	40·6	45·6	+ 6·1	3	0·06	2	- 8	Oxford	1·7	- 0·5	18	1	29	•	•	•	•
														Malvern	2·2	—	24	0	31	40·7	—	42·3	—
c, West a Cheadle (N. Staffs.) ..	646	51	13th	34	8, 9, 12	47·9	36·7	42·3	+ 4·7	6	0·71	18	+ 5	Cheadle	•	•	•	2	29	•	•	•	•
p Tenbury	313	54	14th	39	8, 9, 12	50·4	41·6	46·0	+ 6·6	7	0·17	4	- 5	Tenbury	•	•	•	0	32	41·3	—	—	—
a Hereford	291	54	14th	37	9th	50·0	40·4	45·2	+ 6·0	7	0·34	9	- 4	Ross-on-Wye ..	1·8	—	19	2	29	—	—	—	—
a Clifton	328	51	10, 14	39	8th	49·1	41·7	45·4	+ 5·0	7	1·26	32	+ 13	Clifton	2·0	—	21	0	34	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	54	14th	29	8th	49·1	35·6	42·4	+ 4·2	7	0·46	12	- 4	Worthing	1·9	- 0·6	20	2	25	42·8	+2·7	44·9	+1·3
p Salisbury (Wilton) ..	180	55	14th	31	9th	51·3	38·7	45·0	+ 6·3	6	0·74	19	+ 1	Marlborough ..	1·3	- 0·4	14	2	26	41·7	—	44·4	—
a Wisley, Surrey ..	150	53	14th	33	9th	50·0	38·3	44·2	+ 5·1	4	0·07	2	- 10	Salisbury	•	•	•	1	28	43·1	—	•	•
a Tunbridge Wells ..	354	53	14th	31	9th	49·4	37·6	43·5	+ 4·8	4	0·20	5	- 10	Wisley	2·1	+ 0·3	22	3	19	41·7	+3·0	44·0	+2·0
a Margate	51	51	8, 10, 14	36	9th	50·0	40·0	45·0	+ 5·2	1	0·01	0·2	- 9	Tunbridge Wells	1·9	- 0·1	20	2	22	42·4	+5·8	43·9	—
														Margate	2·3	+ 0·2	24	0	32	42·5	+2·3	44·1	+1·5
a Dungeness	21	50	11, 12, 13	32	9th	48·9	37·6	43·3	+ 3·6	4	0·28	7	- 4	Folkestone ..	2·4	—	25	•	•	•	•	45·0	—
p St. Leonards	178	50	8, 11, 14	35	9, 12	49·0	41·1	45·1	+ 5·1	6	0·24	6	- 7	St. Leonards ..	2·7	+ 0·3	29	2	28	42·5	—	44·1	—
p Southampton	64	55	14th	30	9th	50·3	40·1	45·2	+ 4·2	6	0·38	10	- 5	Southampton ..	1·6	- 0·6	17	3	22	•	•	•	•
a Ventnor	59	51	11th	40	9, 12	49·4	42·6	46·0	+ 4·1	5	0·24	6	- 8	Ventnor	1·4	- 1·1	15	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	53	13th	32	8th	50·3	37·3	43·8	+ 4·0	3	0·06	2	- 8	Richmond	1·6	- 0·2	17	3	23	41·0	+2·5	43·9	+1·1
a Westminster	27	54	13th	35	9, 12	51·7	38·6	45·2	+ 4·8	3	0·11	3	- 7	Westminster ..	1·5	+ 0·4	16	3	26	•	•	•	•
ag Greenwich	149	54	13, 14	33	9th	51·3	38·0	44·7	+ 5·7	4	0·11	3	- 6	Greenwich ..	1·9	+ 0·1	21	3	25	•	•	•	•
a Hampstead	450	51	13, 14	33	12th	48·9	38·9	43·9	—	5	0·12	3	—	Hampstead ..	1·6	—	17	3	28	•	•	•	•
ag Camden Square ..	110	53	13, 14	33	12th	51·1	38·0	44·3	+ 4·9	5	0·15	4	- 7	Camden Square	—	—	—	3	28	•	•	•	•
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	49	10th	35	12th	45·3	38·1	41·7	+ 3·3	7	2·00	51	+ 30	Aspatria.. ..	1·3	- 0·7	14	1	30	40·5	+1·4	41·8	-0·8
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	376	50	9, 10	36	8th	47·3	39·7	43·5	+ 5·2	5	2·49	63	+ 40	Stonyhurst ..	1·5	- 0·2	17	0	32	•	•	•	•
p Blackpool	66	50	10, 13, 14	37	8th	48·1	41·4	44·8	+ 5·7	5	0·68	17	+ 2	Blackpool ..	1·6	- 0·6	17	0	31	41·9	—	43·8	—
a Southport	37	50	9, 10, 13	36	8th	48·3	41·4	44·9	+ 5·6	7	0·71	18	+ 4	Southport ..	1·6	- 0·5	18	0	35	40·1	+3·3	40·8	+1·2
														Hoylake	1·6	- 0·4	17	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	54	10th	35	8th	49·1	40·0	44·6	+ 4·9	6	0·67	17	+ 6	Liverpool	1·2	—	13	1	30	•	•	•	•
a Hawarden Bridge ..	22	54	9, 10	36	9th	51·0	41·6	46·3	+ 5·9	4	0·40	10	0	Manchester(City)	0·4	- 0·6	4	0	33	40·3	+2·7	42·5	+0·5
p Manchester (Whit. Pk.)	126	53	10th	37	9th	48·7	41·7	45·2	+ 5·3	7	1·59	41	+ 28	Whitworth Park	0·5	- 0·7	6	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	53	10th	41	8, 11, 12	50·1	43·1	46·6	+ 5·0	7	0·60	15	+ 1	Llandudno ..	1·7	- 0·3	19	•	•	•	•	•	•
a Holyhead	15	50	10th	40	9th	48·6	42·7	45·7	+ 4·1	6	0·47	12	- 4	Holyhead ..	1·4	—	15	0	34	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—									
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	ft.	°F.		°F.		°F.	°F.	°F.	°F.	in.	mm.	mm.			hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																							
a Aberystwyth	59	49	10th	40	12, 13	47·4	41·7	44·6	—	7	0·77	20	—	Aberystwyth ..	1·5	− 0·6	16	•	•	•	•	•	•
a Rhayader	767	51	10th	37	12th	48·1	40·0	44·1	—	7	1·94	49	—	Rhayader ..	2·1	—	23	0	36	•	•	•	•
a St. Ann's Head	149	50	14th	42	8th	48·3	44·3	46·3	+ 3·9	7	0·45	11	− 7	St. Ann's Head	1·9	− 0·4	20	•	•	•	•	•	•
p Cardiff	202	54	14th	37	12th	49·4	41·7	45·6	+ 5·8	6	0·87	22	+ 3	Cardiff	2·3	—	25	1	29	42·9	+3·5	44·4	+1·8
b. ENGLAND, S.W.																							
a Bath	66	55	14th	33	9th	52·0	40·9	46·5	+ 6·4	6	0·58	15	+ 1	Bath	1·6	− 0·5	17	—	—	43·4	+4·5	44·9	+2·0
a Shaftesbury	722	51	14th	34	9th	46·9	37·0	42·0	+ 3·6	6	0·41	10	− 5	Shaftesbury ..	•	•	•	•	•	42·2	—	43·6	—
a Arlington	613	49	14th	35	8, 9	47·6	39·4	43·5	+ 4·0	7	1·73	44	+ 18										
a Newquay	190	50	9, 13, 14	38	9th	49·5	43·4	46·5	+ 3·3	7	0·49	12	− 5	Newquay ..	1·5	− 0·8	16	—	—	45·6	—	47·1	—
a Cullompton	202	53	14th	31	9th	50·9	39·9	45·4	+ 5·0	6	0·36	9	− 9	Cullompton ..	1·4	− 0·6	15	2	26	44·1	•	•	•
a Portland Bill	19	50	11, 13, 14	40	9th	49·1	43·0	46·1	+ 4·0	6	0·15	4	− 9	Weymouth ..	1·4	—	15	•	•	•	•	•	•
p Plymouth	116	52	13, 14	33	9th	50·7	42·6	46·7	+ 4·3	6	0·41	10	− 9	Plymouth ..	1·4	− 0·9	15	1	28	45·0	+3·3	47·0	—
a Falmouth	167	52	13, 14	37	9th	50·6	41·7	46·2	+ 2·8	7	0·73	19	− 5	Falmouth ..	1·6	− 0·8	17	0	31	46·2	—	46·9	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	•	•
a West .. *a* Malin Head	208	51	9th	35	9th	47·1	38·6	42·9	+ 2·3	7	0·63	16	0	Malin Head ..	1·4	− 0·6	16	•	•	•	•	•	•
a West .. *a* Blacksod Point ..	37	54	8th	37	8th	50·6	40·7	45·7	+ 3·5	7	1·77	45	+ 18	Markree Castle	1·3	—	15	2	28	43·7	+3·2	44·0	+0·4
a West .. *p* Markree Castle ..	122	53	10th	35	12th	49·9	38·1	44·0	+ 4·1	7	1·34	34	+ 11										
b, East .. *p* Armagh	196	52	10th	37	8, 9, 12	49·0	39·3	44·2	+ 4·5	6	0·95	24	+ 9	Armagh	1·9	− 0·1	21	0	34	42·5	+2·7	43·1	+0·4
b, East .. *a* Donaghadee	39	54	10th	35	9, 12	49·4	38·3	43·9	+ 4·3	7	0·60	15	0										
10. IRELAND, S.																							
p Dublin, City	47	54	10th	39	12th	51·0	41·9	46·5	+ 4·3	6	0·58	15	+ 2	Trinity Coll. ..	1·2	—	13	2	30	44·0	+3·2	44·8	+1·4
a Birr Castle	175	52	9, 10	37	9th	49·7	40·1	44·9	+ 4·4	6	1·30	33	+ 17	Phœnix Park ..	1·6	− 0·7	18	1	30	•	•	•	•
a Kilkenny	195	54	10th	36	8, 9	50·6	39·7	45·2	+ 4·4	6	0·64	16	− 1	Dublin City ..	•	•	•	0	35	•	•	•	•
a Waterford	137	52	9, 14	39	8, 9, 13	50·1	41·3	45·7	+ 3·5	4	0·29	7	− 15	Birr Castle ..	1·2	− 0·9	13	0	32	•	•	•	•
p Seskin, Carrick-on-Suir	535	54	10th	37	9th	49·6	40·3	45·0	—	6	0·36	9	—	Seskin	2·9	—	31	1	30	•	•	•	•
a Cahir	199	54	10th	32	12th	50·6	39·0	44·8	+ 3·8	6	0·90	23	—										
a Foynes	50	54	14th	40	8, 12	51·4	43·4	47·4	+ 5·1	7	1·46	37	+ 16										
a Cahirciveen (Val. Obs.)	30	53	10th	42	8, 14	51·1	44·4	47·8	+ 3·5	5	0·95	24	− 10	Cahirciveen ..	1·6	− 0·6	17	0	32	•	•	•	•
a Killarney	174	56	9th	40	8, 9	52·4	43·7	48·1	+ 5·3	7	0·91	23	− 12	Ballinacurra ..	2·4	+ 0·1	26	•	•	•	•	•	•
a Roche's Point	32	54	10th	42	8, 9, 12	51·0	44·1	47·6	+ 4·1	7	0·30	8	− 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	51	13th	44	9th	50·1	45·9	48·0	+ 2·9	6	0·30	8	− 8	Scilly	2·0	− 0·5	21	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	52	11th	35	9th	50·3	41·3	45·8	+ 3·1	4	0·21	5	− 10	St. Heliers ..	2·1	− 0·6	22	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	51	8, 11, 12	38	9th	50·1	43·4	46·8	+ 3·5	5	0·47	12	− 4	Guernsey† ..	2·1	− 0·4	22	1	27	45·4	+2·7	47·1	+1·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 14th, 1920.

DISTRICT AND STATION	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration.	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	10, 11	9	7 to 13	81	68	9	1	0	250	20	11	4	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	50	106	12	0	290	8	11	16	23	11	3	30
Aberdeen	153	105	52	—	—	11	8	75	79	6	0	300	14	11	22	—	—	—	—
Edinburgh	485	39	31	9, 10	5	8 to 13	72	66	24	1	0	220	20	9	13	30	9	12	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	9, 13	9	8 to 13	84	42	30	3	0	220	21	9	11	29	9	10	55
Paisley	188	81	15	—	—	8, 11, 12	11	102	50	5	0	200	13	8	1	29	11	5	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	9 to 11	13	62	69	24	0	240	14	10	6	26	11	12	20
South Shields	72	61	12	11	9	9 to 11, 13	26	96	37	0	0	290	21	11	13	32	11	12	0
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡‡	—	—	9, 10, 11, 13	22	99	47	0	0	280	12	11	17	25	11	16	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	10, 13	12	89	57	10	0	230	13	10	16	20	10	13	40
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	10	3	85	62	18	0	—	12	10	15	19	11	13	45
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡‡	—	—	10, 11, 13	44	93	22	9	0	270	16	11	8 & 15	21	11	10	40
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	77	77	14	0	240	10	10	17	18	10	16	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	11	8	9 to 14	57	73	30	0	0	260	20	11	11	—	—	—	—
Southport	80	62	48	9 to 11	37	8 to 14	54	60	17	0	0	260	22	11	8	30	11	9	30
Holyhead	60	40	‡	—	—	9 to 13	83	59	14	1	11	270	17	11	11	24	11	8	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	10	14	9 to 13	34	80	35	5	0	240	20	10	5	25	10	10	25
Plymouth	185	88	2	—	—	10, 12, 13	19	65	61	23	0	—	13	10	10	19	10	8	55
Lyme Regis	556	61	‡‡	—	—	10	4	70	52	42	0	—	13	10	4	17	10	3	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	10, 11	7	9 to 11, 13	65	62	34	0	0	260	21	11	12	—	—	—	—
Quilty	100	40	‡‡	9, 10	5	8 to 14	103	55	5	0	0	—	18	9	24	26	10	0	5
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	9, 10, 12 to 14	47	103	18	0	0	230	15	10	2	23	9	24	0
Weaver Pt.	160	30	‡	—	—	10 to 13	13	89	51	24	0	—	13	12	24	22	12	22	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	10, 11	29	77	58	4	0	270	13	10	19	18	11	2	25

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTH WEEK of 1920—February 8th to February 14th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	58	28	80·1	74·3	77·2	+ 1·1	8	+ 3	29	−10	7	+ 2	3·26	83	+ 54	1·9	+0·5	22	998
Eastern.																			
1. SCOTLAND, EAST ..	56	26	80·8	74·1	77·4	+ 1·6	11	+ 4	31	−13	6	+ 2	1·14	29	+ 15	2·8	+0·4	31	1004
2. ENGLAND, N.E.	56	32	82·2	76·1	79·1	+ 2·5	26	+ 16	13	−22	4	0	0·24	6	− 3	2·0	−0·3	22	1011
3. ENGLAND, EAST ...	55	30	82·7	75·7	79·2	+ 2·5	30	+ 20	15	−19	4	0	0·14	4	− 5	1·9	−0·5	20	1018
4. MIDLAND COUNTIES ...	55	27	82·6	76·8	79·7	+ 3·0	28	+ 17	9	−28	5	+ 1	0·48	12	0	1·5	−0·6	16	1017
5. ENGLAND, S.E.	55	29	82·9	76·8	79·9	+ 2·6	30	+ 17	9	−20	5	+ 1	0·27	7	− 7	1·9	−0·2	20	1020
Western.																			
6. SCOTLAND, WEST ...	51	29	81·2	76·2	78·7	+ 1·8	20	+ 11	12	−19	7	+ 2	2·48	63	+ 37	1·6	−0·4	17	1008
7. ENGLAND, N.W.	54	35	82·2	78·0	80·1	+ 2·9	24	+ 14	3	−25	6	+ 2	1·12	28	+ 11	1·6	−0·4	17	1014
8. ENGLAND, S.W.	55	31	82·7	78·1	80·3	+ 2·3	26	+ 11	3	−20	6	+ 2	0·76	19	− 1	1·6	−0·5	17	1020
9. IRELAND, NORTH ...	54	35	82·6	77·0	79·8	+ 2·1	28	+ 14	8	−16	7	+ 2	1·10	28	+ 8	1·6	−0·4	17	1009
10. IRELAND, SOUTH ...	56	32	83·5	78·6	81·0	+ 2·3	31	+ 11	0	−19	6	+ 1	0·81	21	− 2	1·7	−0·5	18	1017
11. ENGLISH CHANNEL ...	52	35	83·1	79·4	81·3	+ 1·7	34	+ 11	0	−10	5	+ 1	0·33	8	− 8	2·1	−0·5	21	1024

THE SEASON (Winter).—Aggregates, &c., for the Period of 11 Weeks, November 30th, 1919, to February 14th, 1920.

0. SCOTLAND, NORTH ...	58	19	79·2	74·1	76·7	+ 0·1	63	− 17	338	− 28	62	+ 4	20·54	522	+156	0·9	+0·1	12	1000
Eastern.																			
1. SCOTLAND, EAST ...	57	14	79·0	73·5	76·3	+ 0·3	54	− 22	405	− 36	53	+ 8	8·54	217	+ 43	1·8	+0·5	24	1003
2. ENGLAND, N.E.	57	23	80·3	74·7	77·6	+ 0·9	128	+ 33	280	− 79	50	+ 8	5·73	146	+ 22	1·6	+0·2	21	1009
3. ENGLAND, EAST ...	57	20	81·2	74·9	78·1	+ 1·4	182	+ 77	270	−113	50	+ 5	6·52	166	+ 41	1·6	0·0	20	1013
4. MIDLAND COUNTIES ...	57	17	81·2	75·2	78·3	+ 1·7	197	+ 81	240	−161	53	+ 8	7·92	200	+ 50	1·4	0·0	18	1013
5. ENGLAND, S.E.	57	17	81·8	76·0	79·1	+ 1·5	255	+101	167	−126	54	+11	8·52	218	+ 54	1·5	−0·1	19	1014
Western.																			
6. SCOTLAND, WEST ...	55	19	80·2	75·2	77·8	+ 0·5	122	+ 6	242	− 49	65	+12	18·22	463	+150	1·4	+0·3	18	1007
7. ENGLAND, N.W.	59	24	81·2	76·1	78·7	+ 1·3	191	+ 69	176	−111	56	+ 9	10·84	274	+ 67	1·4	+0·1	17	1010
8. ENGLAND, S.W.	60	17	82·2	76·9	79·6	+ 1·2	278	+ 86	103	−113	62	+12	14·13	356	+ 93	1·6	0·0	19	1014
9. IRELAND, NORTH ...	59	20	81·7	75·6	78·8	+ 0·9	241	+ 91	199	− 50	69	+13	13·74	349	+115	1·5	+0·1	19	1005
10. IRELAND, SOUTH ...	61	22	82·7	76·7	79·8	+ 1·0	309	+ 79	123	− 70	66	+12	13·17	334	+ 68	1·7	+0·1	21	1011
11. ENGLISH CHANNEL ...	54	29	82·9	79·0	81·0	+ 0·8	365	+ 58	16	− 61	58	+ 3	9·93	252	+ 31	1·7	−0·3	21	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 6 Weeks, January 4th to February 14th, 1920.

0. SCOTLAND, NORTH ...	58	19	79·7	74·3	77·1	+ 0·8	43	+ 5	168	− 46	35	+ 4	13·91	354	+158	1·0	0·0	13	1001
Eastern.																			
1. SCOTLAND, EAST ...	57	19	79·8	73·9	76·9	+ 1·0	41	+ 2	196	− 54	28	+ 4	4·15	105	+18	2·1	+0·5	26	1005
2. ENGLAND, N.E.	57	24	81·1	75·0	78·1	+ 1·6	102	+53	133	− 75	25	+ 3	2·59	66	+ 6	2·1	+0·5	25	1012
3. ENGLAND, EAST ...	57	20	81·7	75·1	78·5	+ 2·1	122	+71	134	− 89	22	− 2	2·32	60	− 1	2·0	+0·1	23	1017
4. MIDLAND COUNTIES ...	57	20	81·7	75·4	78·7	+ 2·3	123	+65	125	−104	27	+ 3	3·67	92	+19	1·7	+0·1	20	1016
5. ENGLAND, S.E.	57	17	82·1	76·3	79·3	+ 2·1	148	+77	80	− 96	27	+ 4	3·47	89	+12	1·9	+0·1	22	1018
Western.																			
6. SCOTLAND. WEST ...	55	23	80·7	75·4	78·1	+ 1·0	84	+28	119	− 51	36	+ 7	8·99	228	+73	1·5	+0·2	18	1009
7. ENGLAND, N.W.	59	25	81·6	76·2	79·0	+ 1·8	121	+63	90	− 77	29	+ 4	5·35	136	+33	1·6	+0·1	19	1013
8. ENGLAND, S.W.	60	17	82·3	76·9	79·7	+ 1·7	147	+55	60	− 73	30	+ 4	6·07	153	+31	1·7	−0·1	20	1018
9. IRELAND, NORTH ...	59	25	82·1	75·8	79·0	+ 1·2	141	+63	105	− 39	36	+ 6	6·31	160	+41	1·7	+0·2	21	1008
10. IRELAND, SOUTH ...	61	22	83·0	77·0	80·1	+ 1·5	176	+58	60	− 53	35	+ 6	6·68	170	+39	1·8	0·0	22	1014
11. ENGLISH CHANNEL ...	54	29	82·7	78·8	80·8	+ 1·2	190	+46	13	− 39	27	− 2	4·04	102	+ 1	2·0	−0·2	23	1021
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: February 20th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

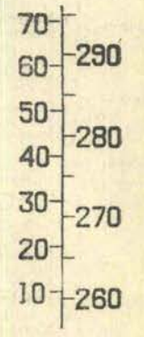
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) No. 7.

SEVENTH WEEK,
SUNDAY, FEBRUARY 15TH TO SATURDAY, FEBRUARY 21ST, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first half of the week the mild south-west type of weather which had prevailed over the British Islands from the beginning of the year continued, with temperatures still higher than those of preceding weeks. On Thursday, however, there was a heavy fall of snow and rain in the north of England and south of Scotland associated with a small and ill-defined depression which passed eastwards over Great Britain, and by the close of the week an anticyclone had become established over and to the westward of Ireland, where the barometer was as high as 1036 mb. (30·60 in.) and cold north-easterly winds had become general. The mean temperature for the week was everywhere above the normal, the largest excess, nearly 3a, being in England E. and England S.E. The highest of the maxima, between 289a and 290a, occurred on the 18th over England generally, these where followed on the 19th, by the lowest maxima of the week, when at many stations in Scotland and the north of England the thermometer failed to exceed 276a, and at West Linton and Marchmont it was no higher than 274a. The total precipitation varied greatly; over the southern half of England the amount was small (at a few stations the week was rainless) while over the Midlands and further north there was generally an excess over the normal. The depression of Thursday was responsible for the greater part of the total, when the measurements of 25mm. to upwards of 40mm. in 24 hours occurred at many places in Lancashire and Yorkshire and the counties on their southern borders. The depth of snow on Friday morning varied between 4 in. and 7 in. In most districts the daily mean of bright sunshine was more than the normal, mostly about 1 hr. per day in excess, chiefly owing to two or three bright days in the middle of the week. There was a solar halo at Oxford on the 19th, and the Zodiacal Light was seen at the same station on several nights during the week.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	8·4	14	6·3	13	4·3	13	3·2	15	5·8	20	5·0	15	6·1	12	6·5
North	15	7·5	9	5·2	8	6·3	7	5·3	10	7·2	7	8·0	11	6·0	12	4·9
West	11	3·7	10	3·1	7	1·9	6	1·4	12	2·9	4	3·7	11	4·1	5	4·4
East	14	5·8	6	2·0	7	3·1	10	1·0	12	5·6	23	4·3	12	3·6	18	3·9
Calm	0	—	5	—	7	—	8	—	2	—	0	—	2	—	3	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).'		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Moderate	Very unusual
	Rainfall ...	Heavy	Heavy	Heavy	Moderate	Heavy	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Very light
	Sunshine ...	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Abundant	Moderate	Abundant	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 12 weeks from Nov. 30th, 1919.	Warmth ...	1, 9, 2	4, 6, 2	4, 8, 0	9, 3, 0	7, 5, 0	9, 2, 1	4, 8, 0	7, 5, 0	8, 3, 1	8, 3, 1	6, 4, 2	8, 3, 1
	Rainfall ...	7, 4, 1	5, 6, 1	6, 5, 1	6, 4, 2	7, 3, 2	5, 2, 5	8, 3, 1	7, 3, 2	6, 4, 2	9, 3, 0	6, 6, 0	5, 3, 4
	Sunshine ...	3, 8, 1	7, 5, 0	5, 6, 1	2, 7, 3	3, 6, 3	3, 5, 4	3, 9, 0	4, 8, 0	3, 6, 3	3, 7, 2	2, 8, 2	2, 4, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27537—19) Wt 162—833/512 625. 2/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of R in Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands .. *a* Lerwick	54	46	16, 17, 21	?28	15th	43·6	34·9	39·3	+ 1·5	4	1·38	35	+ 14									
p Deerness, Orkney ..	165	46	16, 17	30	15th	44·0	34·4	39·2	—	5	0·61	15	− 5	Deerness ..	2·5	+ 0·4	27	•	•	•	•	•
a Stornoway	51	48	21th	—	—	44·6	—	—	—	6	2·52	64	+ 34	Stornoway ..	2·3	0·0	25	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•
b, Mainland. *a* Wick	81	48	16th	28	21st	43·0	32·1	37·6	+ 0·2	5	0·75	19	+ 3									
a Strathpeffer	125	51	17th	28	21st	44·6	33·1	38·9	+ 1·7	5	0·68	17	− 1									
p Glencarron	500	52	17th	25	21st	44·0	32·1	38·1	+ 1·4	7	1·58	40	− 11									
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—									
p Fort William	171	50	17, 18	26	21st	44·6	35·0	39·8	+ 1·3	5	2·50	64	+ 14									
1. SCOTLAND, E.																						
a Nairn	82	53	17th	28	15, 20	44·9	33·1	39·0	+ 1·3	5	0·67	17	+ 6	Nairn	1·9	—	21	•	•	•	•	•
p Gordon Castle	101	53	17, 18	30	15, 21	47·0	33·9	40·5	+ 1·8	4	0·95	24	+ 12	Gordon Castle..	1·8	—	19	•	•	•	•	•
a Aberdeen	46	50	16th	28	15th	45·6	34·7	40·2	+ 1·8	5	0·52	13	0	Aberdeen ..	1·6	− 1·2	17	2	22	•	•	•
a Balmoral	930	52	17th	22	21st	43·3	31·4	37·4	+ 2·9	5	0·84	21	+ 4	Balmoral ..	•	•	•	4	12	•	•	•
p Crieff	432	49	17th	28	21st	44·9	33·9	39·4	+ 1·3	4	1·06	27	+ 6	Crathes	1·7	− 1·3	18	4	20	36·5	+0·9	37·1	−0·5
a Dundee	244	50	17th	27	21st	45·1	33·0	39·1	+ 1·5	5	0·74	19	+ 7	Dundee	2·6	—	27	4	21	37·0	•	•
a Leith	30	55	17th	31	21st	47·9	36·0	42·0	+ 2·4	4	1·03	26	+ 17	Leith	•	•	•	1	23	•	•	•
p Edinburgh	441	55	18th	30	21st	45·8	34·9	40·3	+ 1·9	4	0·89	23	+ 13	Edinburgh ..	2·5	− 0·5	27	2	26	•	•	•
a West Linton	789	53	18th	21	21st	43·7	33·0	38·4	+ 2·9	6	0·93	24	—	West Linton ..	2·4	—	25	5	18	•	•	•
p Marchmont	498	55	17, 18	27	21st	45·1	32·9	39·0	+ 1·7	4	1·03	27	+ 14	Marchmont .	2·6	0·0	27	•	•	•	•	•
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	50	17th	24	21st	45·9	34·5	40·2	—	4	1·31	33	—	Ford (Argyll) ..	•	•	•	2	17	40·1	—	40·6	—
p Glasgow Observatory	180	52	17th	32	21st	46·7	37·6	42·2	+ 3·0	3	0·93	24	+ 4	Glasgow.. ..	1·8	+ 0·2	19	2	21	•	•	•
p Rothesay	200	49	17, 18	32	21st	45·3	36·7	41·0	+ 1·5	5	1·33	34	+ 6	Rothesay ..	1·4	—	14	2	26	40·0	—	42·0	+0·2
a Kilmarnock	90	53	17th	25	21st	46·9	36·0	41·5	+ 2·8	3	0·81	21	0	Kilmarnock .	1·3	—	14	•	•	40·6	—	42·0	—
a Colmonell	170	54	18th	29	20th	47·0	37·4	42·2	+ 3·3	5	1·11	28	+ 2	Colmonell ..	•	•	•	2	25	•	•	•
p Cally. Gatehouse ..	120	54	18th	27	21st	46·9	35·9	41·4	+ 2·5	4	0·66	17	− 11	Dumfries	2·6	—	27	2	22	40·5	+2·2	41·5	+1·3
p Dumfries	160	55	17, 18	29	21st	47·6	35·9	41·8	+ 2·9	4	0·78	20	− 1	Eskdalemuir ..	2·4	—	26	4	19	•	•	•
a Eskdalemuir	794	53	17th	26	21st	43·1	32·1	37·6	—	4	0·99	25	—									
b, I. OF MAN *p* Douglas	277	54	18th	33	21st	46·9	38·6	42·8	+ 2·0	4	0·48	12	− 11	Douglas	4·0	+ 1·3	41	1	27	•	•	•
2. ENGLAND, N.E.																						
a North .. *a* Alnwick Castle ..	210	59	18th	31	21st	47·0	33·7	40·4	+ 1·8	6	1·00	25	+ 13									
a Tynemouth	118	55	18th	34	20th	46·7	37·3	42·0	+ 2·8	4	0·51	13	+ 4	Cockle Park ..	2·4	+ 0·1	25	4	26	37·5	+0·6	40·1	+0·9
p Durham	336	57	18, 19	32	19, 21	49·0	34·3	41·7	+ 3·7	4	0·52	13	+ 5	Durham	3·3	+ 0·9	35	3	27	•	•	•
p Rounton	249	54	17th	30	21st	47·4	35·4	41·4	+ 3·4	4	0·47	12	+ 2	Rounton	•	•	•	3	19	39·6	•	•
a West Witton	605	57	18th	31	21st	45·6	35·4	40·5	—	3	0·45	11	—	West Witton ..	•	•	•	2	28	38·4	—	39·9	—
p Scarborough	100	59	18th	36	21st	48·4	33·3	43·4	+ 3·7	4	0·46	12	+ 1	Scarborough† ..	4·3	+ 1·8	45	•	•	•	•	•	•
p York	56	54	18th	34	20, 21	48·4	37·0	42·7	+ 3·5	3	0·54	14	+ 5	York	2·4	+ 0·3	25	—	—	40·7	+2·2	41·6	+0·7
b, South .. *a* Spurn Head	26	49	16th	34	15th	45·4	36·1	40·8	+ 1·6	3	1·34	34	+ 26	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	58	17th	33	20th	49·1	37·4	43·3	+ 4·4	3	1·44	37	+ 28	Lincoln	•	•	•	1	30	41·0	+3·7	42·1	+1·9
a Fulbeck	180	61	18th	32	20, 21	49·7	36·7	43·2	+ 4·4	4	1·31	33	+ 24	Fulbeck	4·1	+ 1·2	42	•	•	—	—	—	—
														Skegness ..	4·6	+ 1·6	47	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	62	18th	33	15, 21	52·7	35·9	44·3	+ 5·5	3	0·16	4	− 5	Cromer	4·1	+ 1·3	42	•	•	•	•	•	•
a Little Massingham ..	280	60	18th	33	15, 21	50·3	35·6	43·0	+ 4·6	2	0·59	15	+ 2	Lit. Massingham	4·0	+ 1·6	41	•	•	•	•	•	•
a Yarmouth	13	52	19th	37	21st	46·6	39·0	42·8	+ 4·4	2	0·22	6	− 5	Yarmouth ..	3·7	—	38	0	32	42·7	+3·7	44·0	+1·7
a Norwich	93	57	18, 19	32	18th	50·0	36·7	43·4	+ 4·7	3	0·31	8	− 4	Norwich ..	3·3	—	34	4	27	40·2	—	•	•
a Geldeston	37	62	18th	28	18th	52·0	35·1	43·6	+ 4·5	0	0·00	0	− 10	Geldeston ..	3·1	+ 0·5	31	•	•	•	•	•	•
p Cambridge	41	62	18th	30	19th	52·4	34·6	43·5	+ 4·5	1	0·13	3	− 6	Cambridge ..	3·8	+ 1·2	39	4	24	42·3	+3·3	43·5	+1·6
a Clacton-on-Sea ..	54	52	19th	34	21st	47·6	41·3	44·5	+ 5·9	1	0·30	8	− 1	Clacton	3·6	+ 0·6	36	0	31	43·3	+3·0	44·5	+1·2
a Rothamsted	424	58	19th	30	18th	49·7	34·9	42·3	+ 3·8	2	0·13	3	− 10	Rothamsted ..	3·3	+ 0·8	33	5	26	41·2	•	•	•
p Tottenham	51	59	17th	33	19th	52·0	37·1	44·6	—	1	0·23	6	—	Tottenham ..	1·3	—	13	0	33	•	•	44·5	+1·4
														S'thend-on-Sea	3·7	—	37	0	32	43·9	+4·7	—	—
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	52	17, 18	32	20th	45·4	35·1	40·3	+ 2·6	2	0·73	19	+ 5	Harrogate ..	3·1	+ 0·6	32	2	29	40·0	+1·9	41·0	+1·4
p Sheffield	429	60	18th	32	20th	48·0	36·7	42·9	—	3	1·81	46	—	Sheffield.. ..	3·2	+ 0·9	33	2	30	40·6	+2·8	41·5	+0·9
p Buxton	987	58	18th	30	20th	46·1	35·3	40·7	—	3	1·23	31	+ 6	Buxton	3·6	—	38	2	28	39·5	+2·4	40·2	−0·6
b, East .. *a* Worksop	56	60	18th	31	18th	49·4	34·9	42·2	+ 3·3	4	1·82	46	+ 36	Worksop ..	3·6	+ 1·5	37	5	26	40·5	—	41·7	—
a Nottingham	82	60	18th	30	18th	49·3	34·4	41·9	+ 3·0	3	1·34	34	+ 24	Nottingham ..	3·2	+ 1·0	32	5	27	40·0	+2·4	41·3	+2·2
p Birmingham, Edgbsn.	535	59	18th	32	20th	49·4	37·1	43·3	+ 4·4	2	0·80	20	+ 9	Birmingham ..	3·3	+ 1·4	33	2	27	42·3	+2·4	44·0	+0·6
a Raunds	203	61	18th	29	18, 19	51·6	33·4	42·5	+ 4·2	3	0·54	14	+ 4	Raunds	3·4	—	35	3	25	41·7	—	42·8	—
p Oxford	208	61	19th	33	20th	53·0	37·0	45·0	+ 5·3	3	0·42	11	0	Oxford	3·5	+ 1·0	36	3	26	•	•	•	•
														Malvern ..	4·5	—	46	1	30	42·3	—	43·1	—
c, West .. *a* Cheadle (N. Staffs.) ..	646	54	18th	31	21st	45·3	36·4	40·9	+ 3·1	3	1·73	44	+ 30	Cheadle	•	•	•	2	28	•	•	•	•
p Tenbury	313	59	18th	31	18th	50·3	35·1	42·7	+ 3·2	3	0·83	21	+ 12	Tenbury	•	•	•	4	27	42·4	—	—	—
a Hereford	291	57	17, 18	31	18th	52·0	37·3	44·7	+ 5·3	3	0·54	14	+ 1	Ross-on-Wye ..	4·3	—	44	3	29	—	—	—	—
a Clifton	228	56	18, 19	35	21st	48·7	40·1	44·4	+ 3·9	3	0·52	13	− 6	Clifton	3·6	—	37	1	30	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	58	18th	31	16th	48·7	34·1	41·4	+ 2·8	5	0·37	9	− 8	Worthing	3·6	+ 0·4	36	0	31	44·5	+3·7	45·0	+1·4
p Salisbury (Wilton) ..	180	59	18th	32	16th	50·7	36·0	43·4	+ 4·2	3	0·31	8	− 11	Marlborough ..	3·1	− 0·1	22	4	26	43·1	—	44·8	—
a Wisley, Surrey ..	150	62	18th	31	18th	52·0	35·1	43·6	+ 4·1	2	0·12	3	− 9	Salisbury	•	•	•	2	28	43·6	—	•	•
a Tunbridge Wells ..	354	60	18th	34	21st	51·3	38·7	45·0	+ 5·9	1	0·22	6	− 10	Wisley	3·2	+ 0·8	33	3	22	42·6	+3·1	44·1	+2·0
a Margate	51	60	18, 19	39	20, 21	51·9	42·1	47·0	+ 6·8	2	0·30	8	− 2	Tunbridge Wells	3·1	+ 0·4	31	4	28	43·6	+6·2	44·2	—
														Margate	3·7	+ 1·0	38	0	34	44·7	+3·9	44·8	+2·1
a Dungeness	21	52	18, 19	35	21st	50·6	41·1	45·9	+ 5·9	1	0·12	3	− 8	Folkestone ..	4·6	—	46	•	•	•	•	45·2	—
p St. Leonards	178	55	19th	35	21st	49·6	42·6	46·1	+ 5·7	3	0·09	2	− 12	St. Leonards ..	4·2	+ 1·2	43	0	34	44·2	—	44·3	—
p Southampton	64	59	19th	34	16th	51·6	38·6	45·1	+ 3·7	3	0·09	2	− 14	Southampton ..	2·1	− 0·7	22	3	27	•	•	•	•
a Ventnor	59	56	18, 19	36	21st	50·6	43·0	46·8	+ 4·6	3	0·06	2	− 12	Ventnor	3·1	0·0	32	•	•	•	•	•	•
LONDON. *a* Richmond (Kew Obs.)	18	59	18th	33	19th	51·5	36·3	43·9	+ 3·7	2	0·11	3	− 8	Richmond ..	3·1	+ 0·8	31	5	26	42·4	+3·0	44·1	+1·3
a Westminster	27	61	17, 18	36	21st	53·3	39·2	46·3	+ 5·5	2	0·27	7	− 3	Westminster ..	2·5	+ 1·0	25	2	28	•	•	•	•
ag Greenwich	149	62	18th	35	21st	53·0	37·7	45·4	+ 6·0	2	0·23	6	− 3	Greenwich ..	3·6	+ 1·6	37	4	26	•	•	•	•
a Hampstead	450	58	17, 18	33	20th	51·0	38·6	44·8	—	2	0·20	5	—	Hampstead ..	1·6	—	16	3	28	•	•	•	•
ag Camden Square ..	110	59	17, 19	35	21st	51·9	37·9	44·9	+ 4·8	2	0·30	8	− 3	Camden Square	—	—	—	3	28	•	•	•	•
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	56	18th	28	21st	47·6	35·7	41·7	+ 3·1	4	0·73	19	0	Aspatria.. ..	2·2	− 0·4	22	2	26	40·9	+1·3	42·1	−0·4
p Newton Rigg	559	56	18th	29	20, 21	48·1	34·3	41·2	+ 4·1	4	0·70	18	− 2	Newton Rigg ..	3·4	+ 1·0	36	1	24	40·7	+2·6	41·0	+1·2
p Stonyhurst	375	56	17th	33	21st	48·6	37·4	43·0	+ 4·5	2	0·74	19	− 2	Stonyhurst ..	4·1	+ 1·9	42	1	29	•	•	•	•
p Blackpool	66	58	18th	33	21st	49·4	39·4	44·4	+ 5·1	4	0·89	23	+ 9	Blackpool ..	4·6	+ 1·8	47	1	27	43·1	—	44·0	—
a Southport	37	59	18th	34	20, 21	49·6	38·4	44·0	+ 4·4	3	0·88	22	+ 9	Southport ..	4·2	+ 1·4	43	1	25	41·3	+3·4	41·9	+2·1
														Hoylake ..	4·5	+ 1·9	46	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	56	18th	34	20, 21	48·7	38·7	43·7	+ 3·8	2	1·26	32	+ 21	Liverpool ..	4·3	—	44	1	30	•	•	•	•
a Hawarden Bridge ..	22	58	18th	35	20, 21	50·3	39·7	45·0	+ 4·3	2	1·44	37	+ 28	Manchester(City)	2·7	+ 1·2	28	0	31	41·4	+3·1	43·1	+1·2
p Mancnester (Whit. Pk.)	125	60	18th	35	21st	50·6	38·7	44·7	+ 4·5	2	1·35	34	+ 22	Whitworth Park	3·3	+ 1·7	34	•	•	•	•	•	•
b, NORTH WALES. *p* Llandudno	16	61	18th	36	20th	51·1	41·4	46·3	+ 4·6	3	1·06	27	+ 14	Llandudno ..	3·9	+ 1·2	40	•	•	•	•	•	•
a Holyhead ..	15	59	18th	36	20, 21	49·7	40·3	45·0	+ 3·5	3	0·80	20	+ 5	Holyhead ..	3·4	—	35	1	30	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a* SOUTH WALES.																						
a Aberystwyth	59	62	18th	35	21st	51·7	41·7	46·7	—	3	0·62	16	—	Aberystwyth ..	3·8	+ 1·2	39	•	•	•	•	•	•
a Rhayader	767	55	17th	32	20, 21	48·0	36·9	42·5	—	5	1·20	30	—	Rhayader ..	3·5	—	35	4	26	•	•	•	•
a St. Ann's Head ..	149	52	18th	36	21st	47·9	43·1	45·5	+ 3·1	5	0·58	15	- 3	St. Ann's Head	3·6	+ 0·8	36	•	•	•	•	•	•
p Cardiff	202	56	17-19	34	20th	51·3	39·3	45·3	+ 5·1	3	0·41	10	- 10	Cardiff	4·5	—	46	2	27	44·0	+4·0	44·9	+2·2
b, ENGLAND, S.W.																						
a Bath	66	62	18th	33	16th	51·7	38·3	45·0	+ 4·5	3	0·51	13	- 1	Bath	3·2	+ 0·5	33	—	—	44·4	+4·7	45·3	+2·6
a Shaftesbury	722	57	18th	32	21st	48·1	38·9	43·5	+ 4·7	2	0·15	4	- 12	Shaftesbury ..	•	•	•	•	•	44·0	—	43·9	—
a Arlington	613	58	18th	34	21st	48·7	40·0	44·4	+ 4·6	3	0·37	9	- 17										
a Newquay	190	54	18, 19	37	16th	50·8	43·5	47·2	+ 3·7	2	0·15	4	- 13	Newquay ..	3·7	+ 0·8	37	—	—	47·0	—	47·4	—
a Cullompton	202	59	18th	31	16th	50·4	37·3	43·9	+ 3·1	4	0·29	7	- 12	Cullompton ..	3·6	+ 1·1	36	2	26	45·2	•	•	•
a Portland Bill	19	52	19th	35	21st	49·1	42·9	46·0	+ 3·7	2	0·09	2	- 11	Weymouth ..	3·4	—	34	•	•	•	•	•	•
p Plymouth	116	58	18th	35	21st	51·4	43·0	47·2	+ 4·5	4	0·17	4	- 15	Plymouth ..	3·9	+ 1·0	39	0	31	45·9	+3·6	47·2	—
a Falmouth	167	56	19th	35	21st	51·4	42·0	46·7	+ 3·1	2	0·11	3	- 22	Falmouth ..	4·1	+ 1·1	41	2	28	47·3	—	47·8	—
9. IRELAND, N.																						
a West .. { *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	•	•
a Malin Head	208	52	17th	36	20th	46·9	39·1	43·0	+ 2·4	5	0·39	10	- 4	Malin Head ..	2·3	—	25	•	•	•	•	•	•
a Blacksod Point ..	37	51	17th	34	21st	47·4	39·3	43·4	+ 1·3	7	0·48	12	- 11	Markree Castle	2·3	- 0·1	23	2	22	43·6	+2·7	44·1	+0·6
p Markree Castle ..	122	51	17th	27	21st	48·9	37·1	43·0	+ 3·0	4	0·76	19	- 1										
b, East .. { *p* Armagh	196	52	17, 18	28	21st	49·0	37·3	43·2	+ 3·4	4	0·91	23	+ 10	Armagh	2·6	+ 0·2	27	2	18	42·9	+2·7	43·7	+1·1
a Donaghadee	39	54	18th	35	20th	47·4	38·3	42·9	+ 2·3	4	0·95	24	+ 11										
10. IRELAND, S.																						
p Dublin, City	47	54	18th	32	21st	49·3	40·0	44·7	+ 2·6	3	0·40	10	- 2	Trinity Coll. ..	2·2	—	23	3	23	44·5	+3·2	45·3	+1·8
a Birr Castle	175	55	18th	28	21st	48·1	37·9	43·0	+ 2·6	4	1·46	37	+ 22	Phœnix Park ..	3·2	+ 0·5	33	3	15	•	•	•	•
a Kilkenny	195	53	18th	29	21st	47·7	38·0	42·9	+ 2·1	5	0·42	11	- 5	Dublin City ..	•	•	•	1	27	•	•	•	•
a Waterford	137	51	16th	30	21st	48·3	41·4	44·9	+ 2·8	3	0·53	13	- 7	Birr Castle ..	2·6	+ 0·1	27	1	30	•	•	•	•
p Seskin, Carrick-on-Suir	535	50	18th	30	21st	46·4	38·1	42·3	—	5	0·93	24	—	Seskin	2·7	—	27	1	27	•	•	•	•
a Cahir	199	53	18th	31	21st	47·4	39·3	43·4	+ 2·4	5	0·61	15	—										
a Foynes	50	54	17, 18	34	21st	49·0	40·1	44·6	+ 2·4	4	0·91	23	+ 3										
a Cahirciveen (Val. Obs.)	30	53	17th	37	20th	48·6	43·4	46·0	+ 2·0	4	0·91	23	- 10	Cahirciveen ..	3·0	+ 0·4	30	0	34	•	•	•	•
a Killarney	174	56	18th	28	21st	50·1	41·2	45·7	+ 3·0	5	0·86	22	- 11	Ballinacurra ..	3·5	+ 0·6	35	•	•	•	•	•	•
a Roche's Point	32	53	18th	34	21st	49·1	42·9	46·0	+ 2·7	7	0·47	12	- 11										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	55	19th	41	21st	50·7	45·9	48·3	+ 2·9	1	0·08	2	- 16	Scilly	3·6	+ 0·4	36	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	57	18, 19	41	20, 21	52·0	44·4	48·2	+ 5·0	0	0·00	0·1	- 18	St. Heliers ..	4·6	+ 1·1	46	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	58	18th	49	21st	52·6	45·1	48·9	+ 5·2	1	0·07	2	- 17	Guernsey† ..	4·1	+ 0·8	41	0	33	46·9	+3·7	47·4	+2·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 21st, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m.
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	15	1	14 to 16, 18 to 20	50	91	24	2	0	140	18	15	5	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	21	134	13	0	180	10	15	14	23	15	13	10
Aberdeen	153	105	52	—	—	—	—	34	133	1	0	150	9	15	4	—	—	—	—
Edinburgh	486	39	31	—	—	15, 16	14	59	72	23	0	180	15	15	15	24	15	12	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	15, 16, 19, 20	20	71	42	35	0	190	15	15	15	25	15	15	50
Paisley	188	81	15	—	—	15	3	42	106	17	0	190	13	15	11	24	15	16	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	11	109	48	0	180	9	15	14	15	15	14	15
South Shields	72	61	12	—	—	15	1	96	69	2	0	210	11	15	14	18	15	13	30
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	108	90	‡	—	—	21	2	61	70	35	0	10	11	21	16	18	21	12	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	21	1	71	73	23	0	360	11	21	11	19	21	11	20
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	43	96	29	0	—	9	21	17	17	21	16	55
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	15, 21	21	72	75	0	0	360	15	21	12	22	21	11	50
Richmond (Kew Obs.)..	82	66	22	—	—	—	—	34	82	52	0	360	11	21	16	18	21	17	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	101	58	6	0	40	11	20	2	—	—	—	—
Southport	80	62	45	—	—	15, 19	5	110	49	4	0	170	12	15	11	18	15	10	25
Holyhead	60	40	‡	—	—	15, 19 to 21	29	75	53	11	0	70	15	20	4	20	15	13	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	15 to 17, 20, 21	29	67	60	12	0	20	15	21	12	20	21	12	0
Plymouth	185	88	2	—	—	15 to 17	13	58	79	18	0	—	14	15	10	18	15	7	45
Lyme Regis	556	61	‡	—	—	21	3	34	45	86	0	—	11	21	4	18	21	10	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	‡	—	—	15 to 17, 19, 20	25	81	50	12	0	50	14	20	6	—	—	—	—
Quilty	100	40	‡	—	—	15, 17, 20	25	114	29	0	0	—	13	15	14	20	15	14	20
Cahirciveen (Val. Obs.)	98	41	‡	—	—	15, 20	6	118	30	14	0	180	13	15	4	24	15	5	15
Weaver Pt.	160	30	‡	—	—	15 to 17, 20	25	96	44	3	0	—	16	15	8	21	15	8	0
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	83	70	15	0	160	10	16	22	16	16	21	30

More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTH WEEK of 1920—February 15th to February 21st, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	52	25	79·7	73·8	76·7	+ 0·4	6	− 2	32	− 6	5	0	1·57	40	+ 9	2·4	+0·3	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	55	21	80·4	73·9	77·2	+ 1·1	9	0	32	−12	5	+ 1	0·89	23	+ 9	2·2	−0·5	23	1013
2. ENGLAND, N.E.	61	30	81·8	75·3	78·6	+ 1·8	25	+ 14	16	−17	4	0	0·84	21	+ 12	3·5	+0·9	36	1014
3. ENGLAND, EAST ...	62	28	83·2	75·5	79·4	+ 2·7	34	+ 21	15	−21	2	− 2	0·23	6	− 5	3·4	+0·7	34	1015
4. MIDLAND COUNTIES ...	61	29	82·7	75·3	79·0	+ 2·2	30	+ 16	17	−20	3	− 1	0·93	24	+ 12	3·5	+1·1	36	1015
5. ENGLAND, S.E.	62	31	83·5	76·8	80·1	+ 2·5	33	+ 18	9	−19	3	− 1	0·19	5	− 9	3·3	+0·6	33	1015
Western.																			
6. SCOTLAND, WEST ...	55	24	81·1	75·6	78·3	+ 1·2	13	+ 2	22	− 9	4	− 1	0·93	24	− 3	2·9	+0·7	30	1014
7. ENGLAND, N.W.	61	28	82·7	76·5	79·6	+ 2·3	29	+ 17	10	−18	3	− 1	1·00	25	+ 10	3·7	+1·2	39	1013
8. ENGLAND, S.W.	62	31	82·9	77·6	80·2	+ 2·0	29	+ 11	5	−18	3	− 1	0·39	10	− 10	3·7	+1·0	37	1013
9. IRELAND, NORTH ...	55	27	81·9	76·4	79·2	+ 1·5	24	+ 8	11	−14	5	0	0·83	21	+ 4	2·4	0·0	25	1012
10. IRELAND, SOUTH ...	56	28	82·2	77·7	80·0	+ 1·4	25	+ 3	4	−15	4	0	0·73	18	− 3	3·1	+0·5	31	1012
11. ENGLISH CHANNEL ...	58	40	84·0	80·3	82·2	+ 2·4	46	+ 21	0	− 9	1	− 4	0·05	1	− 18	4·1	+0·7	41	1013

THE SEASON (Winter).—Aggregates, &c., for the Period of 12 Weeks, November 30th, 1919, to February 21st, 1920.

0. SCOTLAND, NORTH ...	58	19	79·3	74·0	76·7	+ 0·2	69	− 19	370	− 34	67	+ 4	22·11	562	+165	1·0	+0·1	14	1001
Eastern.																			
1. SCOTLAND, EAST ...	57	14	79·1	73·5	76·4	+ 0·4	63	− 22	437	− 48	58	+ 9	9·43	240	+ 52	1·8	+0·3	24	1004
2. ENGLAND, N.E.	61	23	80·5	74·8	77·7	+ 1·0	153	+ 47	296	− 96	54	+ 8	6·57	167	+ 34	1·8	+0·3	23	1009
3. ENGLAND, EAST ...	62	20	81·4	74·9	78·2	+ 1·5	216	+ 98	285	−134	52	+ 3	6·75	172	+ 36	1·7	0·0	21	1013
4. MIDLAND COUNTIES ...	61	17	81·4	75·2	78·4	+ 1·8	227	+ 97	257	−181	56	+ 7	8·85	224	+ 62	1·6	+0·1	19	1013
5. ENGLAND, S.E.	62	17	82·0	76·1	79·1	+ 1·5	288	+119	176	−145	57	+10	8·71	223	+ 45	1·7	0·0	20	1014
Western.																			
6. SCOTLAND, WEST ...	55	19	80·3	75·2	77·8	+ 0·5	135	+ 8	264	− 58	69	+11	19·15	487	+147	1·5	+0·3	19	1007
7. ENGLAND, N.W.	61	24	81·3	76·1	78·8	+ 1·4	220	+ 86	186	−129	59	+ 8	11·84	299	+ 77	1·6	+0·2	20	1010
8. ENGLAND, S.W.	62	17	82·3	76·9	79·7	+ 1·3	307	+ 97	108	−131	65	+11	14·52	366	+ 83	1·7	0·0	21	1014
9. IRELAND, NORTH ...	59	20	81·7	75·7	78·8	+ 0·9	265	+ 99	210	− 64	74	+13	14·57	370	+119	1·6	+0·1	20	1006
10. IRELAND, SOUTH ...	61	22	82·7	76·8	79·8	+ 1·0	334	+ 82	127	− 85	70	+12	13·90	352	+ 65	1·8	+0·1	22	1011
11. ENGLISH CHANNEL ...	58	29	83·0	79·1	81·1	+ 0·9	410	+ 79	16	− 70	59	− 1	9·98	253	+ 13	1·9	−0·2	23	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 7 Weeks, January 4th to February 21st, 1920.

0. SCOTLAND, NORTH ...	58	19	79·7	74·2	77·0	+ 0·7	49	+ 3	200	− 52	40	+ 4	15·48	394	+167	1·2	+0·1	15	1003
Eastern.																			
1. SCOTLAND, EAST ...	57	19	79·9	73·9	77·0	+ 1·1	50	+ 2	228	− 66	33	+ 5	5·04	128	+27	2·1	+0·4	26	1006
2. ENGLAND, N.E.	61	24	81·2	75·1	78·2	+ 1·7	127	+67	149	− 92	29	+ 3	3·43	87	+18	2·3	+0·5	27	1012
3. ENGLAND, EAST ...	62	20	81·9	75·2	78·6	+ 2·2	156	+92	149	−110	24	− 4	2·55	66	− 6	2·2	+0·2	25	1017
4. MIDLAND COUNTIES ...	61	20	81·9	75·4	78·7	+ 2·2	153	+81	142	−124	30	+ 2	4·60	116	+31	1·9	+0·2	22	1016
5. ENGLAND, S.E.	62	17	82·3	76·4	79·4	+ 2·1	181	+95	89	−115	30	+ 3	3·66	94	+ 3	2·1	+0·2	24	1018
Western.																			
6. SCOTLAND, WEST ...	55	23	80·7	75·4	78·1	+ 1·0	97	+30	141	− 60	40	+ 6	9·92	252	+70	1·7	+0·2	20	1010
7. ENGLAND, N.W.	61	25	81·7	76·2	79·0	+ 1·8	150	+80	100	− 95	32	+ 3	6·35	161	+43	1·9	+0·3	22	1013
8. ENGLAND, S.W.	62	17	82·3	77·0	79·7	+ 1·6	176	+66	65	− 91	33	+ 3	6·46	163	+21	2·0	+0·1	22	1017
9. IRELAND, NORTH ...	59	25	82·0	75·9	79·0	+ 1·2	165	+71	116	− 53	41	+ 6	7·14	181	+45	1·8	+0·2	22	1008
10. IRELAND, SOUTH ...	61	22	82·9	77·1	80·1	+ 1·5	201	+61	64	− 68	39	+ 6	7·41	188	+36	2·0	+0·1	23	1013
11. ENGLISH CHANNEL ...	58	29	82·9	79·0	81·0	+ 1·2	236	+67	13	− 48	28	− 6	4·09	103	−17	2·3	−0·1	26	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: February 27th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 8.

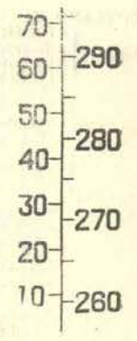
EIGHTH WEEK,
SUNDAY, FEBRUARY 22ND TO SATURDAY, FEBRUARY 28TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Over the United Kingdom generally the weather of the week was for the most part of anti-cyclonic type, being characterised by moderate breezes, chiefly from between south and west, light rainfall, and rather high temperature. There was however, an excess of rainfall over Scotland N., due to a depression in the Iceland region. There was a great deal of fog or mist in different parts of the country, and in London the visitations of Monday and Wednesday were thicker than on any occasion during the winter. The highest of the maximum temperatures occurred between the 23rd and 26th over England generally, when readings of 285 a or 286 a were registered, but in Scotland and Ireland the 28th was the warmest day, when at Strathpeffer and Gordon Castle the thermometer rose to 288 a and at Killarney to 289 a. Screen-minima below 269 a were recorded at several stations in the eastern counties of England and Scotland on different dates, grass minima of about 264 a here and there. Bright sunshine was about normal in the western section, but abundant in the eastern. At St. Leonards-on-Sea the daily mean was 5·6 hr., 54 per cent. of the possible duration. Displays of aurora were witnessed at Aberdeen on the 24th and 26th and also at Durham on the 24th. A solar halo was seen at Hastings on the 25th and lunar halos in various parts of the United Kingdom between the 25th and 27th.

For the winter season (ending with the current week) the aggregate temperature has been above the normal in all districts, the excess ranging from 0·4 a in Scotland N. to between 1 a and 2 a over England. Rainfall has been in excess of the normal in all districts; in the English Channel district the excess was very small, over England it was between 30mm. and 70mm., while in Ireland N. it was 110mm., in Scotland W. 135mm., and in Scotland N. 168mm.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	16	2·5	20	4·8	10	2·5	9	1·9	14	4·2	13	2·7	12	3·2	16	2·7
North	8	3·9	2	3·7	9	2·4	6	2·0	5	2·5	8	2·9	3	1·6	6	2·0
West	26	6·5	22	5·7	16	3·4	12	2·6	16	4·3	11	4·1	14	5·4	11	4·1
East	1	1·6	0	—	5	3·3	4	3·0	4	3·0	13	4·8	4	1·0	10	2·4
Calm	0	—	5	—	6	—	11	—	8	—	0	—	10	—	6	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).'

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Moderate	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Light	Light	Light	Light	Light	Moderate	Light	Light	Light	Light	Light
	Sunshine ...	Scanty	Abundant	Abundant	Abundant	Moderate	Abundant	Scanty	Moderate	Moderate	Moderate	Scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 13 weeks from Nov. 30th, 1919.	Warmth ...	2, 9, 2	5, 6, 2	4, 9, 0	9, 4, 0	7, 6, 0	10, 2, 1	5, 8, 0	7, 6, 0	9, 3, 1	9, 3, 1	7, 4, 2	9, 3, 1
	Rainfall ...	7, 5, 1	5, 6, 2	6, 5, 2	6, 4, 3	7, 3, 3	5, 2, 6	8, 4, 1	7, 3, 3	6, 4, 3	9, 3, 1	6, 6, 1	5, 3, 5
	Sunshine ...	3, 8, 2	8, 5, 0	6, 6, 1	3, 7, 3	3, 7, 3	4, 5, 4	3, 9, 1	4, 9, 0	3, 7, 3	3, 8, 2	2, 8, 3	3, 4, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27634—19) Wt 162—833/512 625 3/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of days.	Rainfall in the Week.		Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a Lerwick	54	49	28th	30	27th	45·0	38·0	41·5	+ 3·4	7	1·26	32	+ 15										
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	•	•	•	•	•	•
a Stornoway ..	51	53	28th	34	27th	47·6	39·0	43·3	+ 4·2	4	1·02	26	+ 3	Stornoway ..	1·4	- 1·1	14	•	•	•	•	•	•
a Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•	•
b, Main-land. *a* Wick	81	54	28th	30	28th	47·3	35·9	41·6	+ 3·6	3	0·47	12	0										
a Strathpeffer ..	125	59	28th	30	28th	48·4	36·3	42·4	+ 4·6	3	0·50	13	- 1										
p Glencarron ..	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus..	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William ..	171	50	28th	30	25th	45·9	35·9	40·9	+ 1·8	5	2·10	53	+ 15										
1. SCOTLAND, E.																							
a Nairn	82	56	28th	28	28th	48·0	34·1	41·1	+ 3·3	4	0·11	3	- 8	Nairn	1·8	—	18	•	•	•	•	•	•
p Gordon Castle ..	101	58	28th	31	27th	49·3	36·7	43·0	+ 4·2	3	0·11	3	- 9	Gordon Castle..	2·6	—	26	•	•	•	•	•	•
a Aberdeen	46	57	28th	30	22nd	49·0	33·3	41·2	+ 2·7	3	0·13	3	- 10	Aberdeen ..	4·0	+ 1·1	40	4	24	•	•	39·7	+0·3
a Balmoral	930	54	28th	23	25th	45·7	32·0	38·9	+ 4·3	2	0·08	2	- 14	Balmoral ..	•	•	•	4	21	•	•	•	•
p Crieff	432	51	23, 28	30	25, 28	47·7	34·3	41·0	+ 2·7	3	0·08	2	- 18	Crathes	4·2	+ 1·3	42	7	18	36·0	-0·3	37·6	-0·2
a Dundee	244	54	28th	28	28th	49·0	33·1	41·1	+ 3·3	1	0·03	1	- 10	Dundee	4·9	—	49	6	23	36·7	•	•	•
a Leith	30	56	28th	31	22nd	48·4	36·1	42·3	+ 2·6	3	0·12	3	- 6	Leith	•	•	•	4	24	•	•	•	•
p Edinburgh	441	56	28th	33	28th	46·6	37·1	41·9	+ 3·4	2	0·10	3	- 6	Edinburgh ..	3·8	+ 0·8	38	4	23	•	•	•	•
a West Linton	769	51	28th	27	22nd	45·1	31·9	38·5	+ 2·9	3	0·36	9	—	West Linton ..	3·4	—	34	5	19	•	•	•	•
p Marchmont	498	53	28th	28	28th	47·6	32·9	40·3	+ 2·9	1	0·02	1	- 12	Marchmont ..	4·0	+ 1·4	40	•	•	•	•	•	•
6. *a,* SCOTLAND, W.																							
a Ford (Argyll)	149	54	28th	29	28th	47·3	36·3	41·8	—	4	1·28	32	—	Ford (Argyll) ..	•	•	•	1	22	40·3	—	40·8	—
p Glasgow Observatory	180	53	28th	34	28th	47·0	38·6	42·8	+ 3·5	4	0·15	4	- 12	Glasgow.. ..	1·8	+ 0·1	18	4	25	•	•	•	•
p Rothesay	200	52	28th	35	28th	47·0	37·9	42·5	+ 2·4	5	0·58	15	- 7	Rothesay ..	2·5	—	25	3	27	40·1	—	42·0	+0·1
a Kilmarnock	90	53	28th	30	22nd	49·1	37·9	43·1	+ 4·3	4	0·28	7	- 10	Kilmarnock ..	3·4	—	34	•	•	40·2	—	42·1	—
a Colmonell	170	54	28th	31	26, 28	48·9	35·7	42·3	+ 3·2	3	0·13	3	- 18	Colmonell ..	•	•	•	3	28	•	•	•	•
p Cally, Gatehouse	120	50	22nd	29	28th	46·6	33·6	40·1	+ 1·1	3	0·28	7	- 16	Dumfries ..	3·1	—	31	5	22	39·4	-0·4	41·2	+0·8
p Dumfries	160	49	24, 28	28	28th	46·7	33·3	40·0	+ 0·9	2	0·14	4	- 13	Eskdalemuir ..	3·1	—	31	5	15	•	•	•	•
a Eskdalemuir	794	50	28th	21	28th	45·0	28·4	36·7	—	3	0·41	10	—										
b, I. OF MAN *p* Douglas	277	49	22nd	33	27th	46·1	37·4	41·8	+ 1·1	4	0·16	4	- 14	Douglas	1·3	- 1·4	12	2	26	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	54	23, 28	28	28th	48·1	32·6	40·4	+ 1·9	2	0·05	1	- 9										
a Tynemouth	118	53	28th	32	28th	46·7	35·3	41·0	+ 2·0	1	0·04	1	- 6	Cockle Park ..	4·1	+ 1·2	41	3	24	36·6	-0·7	39·9	+0·4
p Durham	336	51	23rd	27	28th	47·1	31·1	39·1	+ 1·1	2	0·07	2	- 5	Durham ..	4·3	+ 1·7	43	6	19	•	•	•	•
a North .. *p* Rounton	249	54	28th	24	24th	48·1	29·9	39·0	+ 1·1	3	0·14	4	- 4	Rounton ..	•	•	•	7	16	37·9	•	•	•
a West Witton	605	53	23rd	27	28th	47·3	32·7	40·0	—	2	0·11	3	—	West Witton ..	•	•	•	5	22	36·8	—	39·9	—
p Scarborough	100	55	25th	33	23, 28	50·4	35·1	42·8	+ 3·1	2	0·08	2	- 7	Scarborough† ..	5·1	+ 2·5	50	•	•	•	•	41·4	—
p York	56	51	22nd	27	24th	47·4	32·4	39·9	+ 0·6	2	0·07	2	- 6	York	3·4	+ 1·2	33	—	—	39·3	-0·3	41·7	+0·8
b, South .. *a* Spurn Head	26	48	28th	33	22nd	45·1	34·6	39·9	+ 0·7	3	0·06	2	- 4	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	53	28th	29	24th	48·6	33·7	41·2	+ 2·1	2	0·02	1	- 6	Lincoln	•	•	•	5	26	38·4	+0·6	42·1	+1·8
a Fulbeck	180	51	23rd	27	22nd	48·0	32·6	40·3	+ 1·3	5	0·10	3	- 5	Fulbeck ..	3·5	+ 0·5	34	•	•	—	—	—	—
														Skegness ..	3·1	+ 0·1	30	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	50	23, 26, 28	28	28th	47·3	32·4	39·9	+ 0·9	4	0·14	4	- 2	Cromer	4·5	+ 1·3	44	•	•	•	•	•	•
a Little Massingham ..	280	50	23rd	28	28th	46·4	31·1	38·8	0·0	5	0·17	4	- 5	Lit. Massingham	4·0	+ 1·2	38	•	•	•	•	•	•
a Yarmouth	13	50	23, 26	31	28th	47·7	35·4	41·6	+ 2·9	5	0·14	4	- 3	Yarmouth ..	4·6	—	44	2	29	41·7	+2·3	44·7	+2·1
a Norwich	93	50	22, 23	28	28th	47·3	32·9	40·1	+ 1·0	4	0·19	5	- 3	Norwich ..	3·9	—	38	5	23	38·0	—	•	•
a Geldeston	37	55	23rd	25	25th	50·4	30·9	40·7	+ 1·4	4	0·14	4	- 3	Geldeston ..	4·2	+ 1·2	41	•	•	•	•	•	•
p Cambridge	41	52	22nd	24	28th	48·4	29·8	39·1	- 0·2	1	0·06	2	- 4	Cambridge ..	3·4	+ 0·5	33	7	19	40·6	+0·9	44·1	+2·0
a Clacton-on-Sea ..	54	50	26th	30	22nd	47·6	36·1	41·9	+ 3·0	2	0·09	2	- 4	Clacton	4·6	+ 1·4	45	4	22	41·5	+0·7	44·5	+1·0
a Rothamsted	424	49	26th	26	23rd	46·9	30·9	38·9	+ 0·2	2	0·15	4	- 5	Rothamsted ..	3·4	+ 0·7	33	6	22	39·3	•	•	•
p Tottenham	51	51	26, 28	30	23, 25, 28	48·6	34·3	41·5	—	1	0·06	2	—	Tottenham ..	2·5	—	25	2	27	•	•	44·2	+1·0
														S'thend-on-Sea	4·1	—	40	2	29	42·1	+2·1	—	—
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	51	28th	30	24, 28	46·6	33·3	40·0	+ 2·5	4	0·17	4	- 7	Harrogate ..	3·6	+ 0·7	35	5	23	38·7	+0·3	40·6	+0·9
p Sheffield	429	50	23, 28	32	22, 24	46·7	34·9	40·8	—	3	0·13	3	—	Sheffield.. ..	3·4	+ 0·8	33	5	25	38·0	-0·3	41·4	+0·8
p Buxton	987	46	23rd	27	28th	42·9	32·3	37·6	—	3	0·32	8	- 12	Buxton	2·1	—	20	5	19	36·2	-1·4	40·3	-0·4
b, East .. *a* Worksop	56	52	22, 27	26	24th	48·4	30·4	39·4	+ 0·6	4	0·07	2	- 6	Worksop ..	3·2	+ 0·8	31	6	21	37·3	—	40·9	—
a Nottingham	82	50	25, 27, 28	27	24th	47·9	31·6	39·8	+ 1·1	5	0·09	2	- 6	Nottingham ..	2·8	+ 0·4	28	7	18	37·6	-0·7	40·6	+1·2
p Birmingham, Edgbsn.	535	49	26, 27	29	22nd	46·7	34·1	40·4	+ 1·8	2	0·04	1	- 8	Birmingham ..	1·8	- 0·2	18	5	21	39·8	-0·4	43·9	+0·5
a Raunds	203	51	26th	25	22, 28	47·4	29·1	38·3	0·0	3	0·13	3	- 5	Raunds	2·8	—	27	7	20	39·7	—	42·5	—
p Oxford	268	50	26, 28	28	22, 23	47·3	32·4	39·9	+ 0·4	3	0·12	3	- 5	Oxford	2·3	- 0·4	23	6	21	•	•	•	•
														Malvern ..	3·2	—	31	5	24	39·2	—	42·8	—
a Cheadle (N. Staffs.) ..	646	47	23rd	30	22nd	43·6	34·6	39·1	+ 1·5	4	0·15	4	- 7	Cheadle	•	•	•	3	25	•	•	•	•
c, West .. *p* Tenbury	313	53	27th	27	23rd	49·1	31·0	40·1	+ 0·4	3	0·06	2	- 5	Tenbury	•	•	•	6	22	39·6	—	—	—
a Hereford	291	51	26, 27	27	24th	47·7	31·4	39·6	+ 0·3	2	0·04	1	- 9	Ross-on-Wye ..	2·8	—	27	5	23	—	—	—	—
a Clifton	222	51	25, 28	30	22, 23	47·9	35·3	41·6	+ 1·4	2	0·10	3	- 11	Clifton	2·6	—	26	13	25	•	•	•	•
														Worthing ..	4·6	+ 1·1	44	5	26	41·9	+0·7	45·0	+1·2
5. ENGLAND, S.E.																							
a Marlborough	424	51	25, 26	27	22, 23	48·1	32·0	40·1	+ 1·6	3	0·07	2	- 10	Marlborough ..	2·7	+ 0·3	27	6	20	41·2	—	44·7	—
p Salisbury (Wilton) ..	180	52	25th	27	23rd	50·0	33·7	41·9	+ 2·8	2	0·10	3	- 10	Salisbury ..	•	•	•	4	23	41·5	—	•	•
a Wisley, Surrey ..	150	54	25th	27	23rd	49·6	30·6	40·1	+ 0·6	2	0·06	2	- 7	Wisley	2·4	- 0·3	24	6	16	40·6	-0·1	43·8	+1·5
a Tunbridge Wells ..	354	54	25th	28	23, 28	50·7	33·4	42·1	+ 3·0	2	0·06	2	- 10	Tunbridge Wells	4·1	+ 1·1	39	6	18	41·8	+3·4	44·2	—
a Margate	51	52	25th	33	28th	47·7	37·7	42·7	+ 2·6	1	0·05	1	- 6	Margate	4·8	+ 1·7	46	3	28	42·4	+1·2	44·9	+1·9
a Dungeness	21	52	26th	29	28th	48·0	36·9	42·5	+ 2·7	2	0·09	2	- 6	Folkestone ..	4·4	—	42	•	•	•	•	45·2	—
p St. Leonards	178	51	26, 27	33	23rd	48·7	37·6	43·2	+ 2·9	4	0·10	3	- 7	St. Leonards ..	5·6	+ 2·2	54	2	26	41·8	—	44·6	—
p Southampton	64	53	26–27	29	22nd	51·0	36·0	43·5	+ 2·2	3	0·05	1	- 10	Southampton ..	4·2	+ 1·0	40	6	20	•	•	•	•
a Ventnor	59	54	25, 26	33	22nd	50·7	40·3	45·5	+ 3·5	2	0·05	1	- 9	Ventnor	4·1	+ 0·6	40	•	•	•	•	•	•
LONDON. *a* Richmond (Kew Obs.)	18	52	25th	29	28th	49·3	32·7	41·0	+ 0·9	2	0·11	3	- 5	Richmond ..	2·1	- 0·4	21	5	21	39·9	-0·2	43·9	+0·9
a Westminster	27	54	26th	29	28th	50·8	34·1	42·5	+ 1·7	2	0·10	3	- 5	Westminster ..	2·1	+ 0·4	20	5	24	•	•	•	•
ag Greenwich	149	54	25th	27	28th	51·1	33·9	42·0	+ 1·8	2	0·08	2	- 8	Greenwich ..	3·4	+ 1·2	33	5	25	•	•	•	•
a Hampstead	450	52	26th	32	22, 23	48·1	34·3	41·2	—	2	0·09	2	—	Hampstead ..	2·8	—	27	7	23	•	•	•	•
ag Camden Square ..	110	54	26th	28	28th	49·7	33·0	41·4	+ 1·3	2	0·13	3	- 6	Camden Square	—	—	—	5	24	•	•	•	•
7. *a,* ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	48	24, 28	33	24, 27	45·7	35·0	40·4	+ 1·9	2	0·09	2	- 15	Aspatria.. ..	2·7	0·0	27	4	25	39·4	-1·0	41·9	-0·7
p Newton Rigg	559	49	28th	28	27, 28	46·6	31·1	38·9	+ 1·7	3	0·18	5	- 12	Newton Rigg ..	2·5	- 0·2	24	5	18	39·5	+0·9	40·7	+0·8
p Stonyhurst	375	49	28th	30	22, 24, 28	45·9	34·0	40·0	+ 1·6	3	0·38	10	- 9	Stonyhurst ..	1·6	- 0·9	16	3	24	•	•	•	•
p Blackpool	66	51	28th	31	22nd	46·9	36·3	41·6	+ 2·4	4	0·29	7	- 5	Blackpool ..	2·1	- 1·0	21	3	23	41·6	—	44·0	—
a Southport	37	54	28th	31	22nd	47·1	35·7	41·4	+ 1·9	3	0·26	7	- 5	Southport ..	2·1	- 0·9	21	3	24	39·1	+0·5	41·5	+1·3
														Hoylake ..	3·2	+ 0·4	32	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	55	28th	34	24th	47·6	36·9	42·3	+ 2·4	3	0·17	4	- 5	Liverpool ..	2·4	—	24	3	28	•	•	•	•
a Hawarden Bridge ..	22	—	—	—	—	—	—	—	—	—	—	—	—	Manchester(City)	0·9	- 0·8	9	2	28	38·7	-0·1	43·1	+1·2
p Mancnester (Whit. Pk.)	125	51	28th	29	22nd	46·6	34·7	40·7	+ 0·6	2	0·10	3	- 8	Whitworth Park	0·8	- 0·9	8	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	56	28th	34	24th	48·9	37·1	43·0	+ 1·6	4	0·33	8	- 3	Llandudno ..	3·4	+ 0·4	33	•	•	•	•	•	•
a Holyhead	15	48	22, 25–28	35	24, 25	47·6	37·6	42·6	+ 1·4	4	0·47	12	- 2	Holyhead ..	2·2	—	21	4	24	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	52	28th	32	22nd	48·4	37·3	42·9	—	4	0·36	9	—	Aberystwyth ..	2·9	- 0·1	28	•	•	•	•	•	•
a Rhayader	757	52	28th	26	23rd	47·0	33·1	40·1	—	4	0·48	12	—	Rhayader ..	2·5	—	24	5	19	•	•	•	•
a St. Ann's Head ..	149	50	22nd	37	22–24	47·7	40·1	43·9	+ 2·2	2	0·12	3	- 11	St. Ann's Head ..	3·5	+ 0·3	34	•	•	•	•	•	•
p Cardiff	202	50	26th	31	23rd	47·1	36·1	41·6	+ 1·7	4	0·18	5	- 11	Cardiff	3·0	—	29	4	23	41·0	+0·4	44·7	+2·5
b, ENGLAND, S.W.																							
a Bath	66	54	25th	29	22nd	50·3	35·3	42·8	+ 2·6	2	0·20	5	- 6	Bath	2·7	—	26	—	—	42·2	+1·8	45·1	+2·0
a Shaftesbury	722	49	25th	28	22nd	47·0	35·1	41·1	+ 2·5	2	0·08	2	- 10	Shaftesbury ..	•	•	•	•	•	42·4	—	44·0	—
a Arlington	613	51	25th	29	22nd	48·3	36·8	42·6	+ 3·2	4	0·38	10	- 10										
a Newquay	190	52	25th	35	22, 23	48·9	40·6	44·8	+ 1·9	3	0·13	3	- 10	Newquay ..	3·1	- 0·1	30	—	—	45·1	—	47·4	—
a Cullompton	202	57	27th	28	22nd	51·0	35·1	43·1	+ 2·6	3	0·09	2	- 12	Cullompton ..	3·4	+ 0·5	33	5	21	42·8	•	•	•
a Portland Bill	19	52	25th	34	22–24	48·6	39·4	44·0	+ 2·2	3	0·03	1	- 9	Weymouth ..	4·2	—	40	•	•	•	•	•	•
p Plymouth	116	53	25th	35	22nd	51·3	41·3	46·3	+ 4·1	3	0·12	3	- 12	Plymouth ..	3·5	+ 0·3	34	1	26	43·9	+1·2	47·0	—
a Falmouth	167	55	25th	32	22, 23	52·0	39·6	45·8	+ 2·8	2	0·06	2	- 17	Falmouth ..	3·1	- 0·4	29	2	23	45·9	—	47·5	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	•	•
a West .. *a* Malin Head	208	56	28th	37	25, 28	47·6	39·3	43·5	+ 2·2	3	0·28	7	- 7	Malin Head ..	3·0	—	30	•	•	•	•	•	•
a West .. *a* Blacksod Point ..	37	53	28th	37	22, 24–26	49·9	38·9	44·4	+ 1·7	5	0·57	15	- 9	Markree Castle	1·7	- 0·9	19	3	25	42·5	+1·0	44·6	+1·1
a West .. *p* Markree Castle ..	122	55	28th	26	25th	49·4	35·9	42·7	+ 2·0	4	0·35	9	- 11										
b, East .. *p* Armagh	196	56	28th	28	24th	48·4	35·6	42·0	+ 1·4	3	0·13	3	- 10	Armagh	2·9	+ 0·4	29	3	23	41·0	+0·3	43·5	+0·8
b, East .. *a* Donaghadee	39	55	28th	34	28th	49·0	36·3	42·7	+ 1·4	2	0·06	2	- 11										
10. IRELAND, S.																							
p Dublin, City	47	58	28th	35	22nd	49·6	39·4	44·5	+ 2·2	3	0·27	7	- 5	Trinity Coll. ..	1·9	—	19	3	23	43·4	+1·6	45·2	+1·5
a Birr Castle	175	55	28th	30	22nd	48·9	35·6	42·3	+ 1·7	4	0·39	10	- 4	Phœnix Park ..	2·1	- 1·0	20	4	17	•	•	•	•
a Kilkenny	195	55	28th	30	22, 24, 26	49·6	34·1	41·9	+ 0·8	3	0·24	6	- 9	Dublin City ..	•	•	•	1	30	•	•	•	•
a Waterford	137	54	27th	32	22nd	50·4	36·9	43·7	+ 1·4	3	0·46	12	- 7	Birr Castle ..	1·7	- 1·1	16	3	26	•	•	•	•
p Seskin, Carrick-on-Suir	535	55	28th	33	22nd	49·1	37·4	43·3	—	3	0·42	11	—	Seskin	3·1	—	30	2	28	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	58	28th	32	25th	50·3	38·9	44·6	+ 2·2	4	0·29	7	- 12										
a Cahirciveen (Val. Obs.)	30	52	27th	32	25th	50·4	39·0	44·7	+ 0·6	4	0·39	10	- 21	Cahirciveen ..	2·0	- 0·9	20	1	29	•	•	•	•
a Killarney	174	60	28th	33	25, 26	51·3	37·6	44·5	+ 1·6	5	0·26	7	- 24	Ballinacurra ..	2·9	- 0·3	28	•	•	•	•	•	•
a Roche's Point	32	56	27th	34	22nd	50·3	39·0	44·7	+ 1·3	5	0·31	8	- 13										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	25th	40	22nd	51·0	44·4	47·7	+ 2·6	2	0·06	1	- 17	Scilly	4·3	+ 0·9	41	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	54	24, 25	36	24th	51·3	41·1	46·2	+ 3·0	2	0·12	3	- 15	St. Heliers ..	5·5	+ 1·8	53	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	52	24, 26	39	22, 24	50·4	42·6	46·5	+ 2·8	3	0·43	11	- 8	Guernsey† ..	4·9	+ 1·5	47	1	29	45·6	+2·0	47·4	+2·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, February 28th, 1920.

DISTRICT AND STATION†	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date	
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h. m.
0. SCOTLAND, N.																		
Deerness (Cup Anr.)** ..	188	16	5	27	2	21 to 23, 26, 27	39	59	62	6	0	310	18	27	5	—	—	— —
1. SCOTLAND, E.																		
Dyce	305	75	15*	—	—	—	—	12	69	87	0	200	7	28	21	21	27	12 25
Aberdeen	153	105	52	—	—	—	—	29	88	51	0	300	11	27	6	—	—	— —
Edinburgh	485	39	31	—	—	27, 28	13	82	50	23	0	240	16	28	24	24	28	20 5
6. SCOTLAND, W.																		
Eskdalemuir	825	50	22	—	—	26 to 28	15	45	51	57	0	{ 250 / 220 }	14	{ 26 / 28 }	24 / 21	23	28	21 15
Paisley	188	81	15	—	—	—	—	36	91	41	0	300	10	27	4	24	28	21 15
2. ENGLAND, N.E.																		
Alnwick Castle	340	70	17	—	—	—	—	31	70	67	0	330	9	27	12	20	27	11 35
South Shields	72	61	12	—	—	22, 26, 27	12	55	84	17	0	280	13	27	4	20	27	3 40
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	— —
3. ENGLAND, E.																		
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	— —
Shoeburyness	103	90	‡	—	—	27	1	38	85	44	0	190	11	27	10	18	27	10 20
4. MIDLAND COUNTIES.																		
Benson	270	84	‡	—	—	—	—	22	77	69	0	270	9	27	11	16	27	11 20
5. ENGLAND, S.E.																		
Brighton	261	53	6	—	—	—	—	13	125	30	0	—	8	27	10	14	27	9 50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	— —
Butler's Cross, S'y Plain	550	43	‡	—	—	27	7	36	91	0	34	270	16	27	12	21	27	11 30
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	14	84	70	0	260	7	27	11	15	27	11 10
7. ENGLAND, N.W.																		
Fleetwood (Cup Anr.) ..	109	44	—	—	—	26, 27	16	28	101	23	0	250	15	27	5	—	—	— —
Southport	80	62	48	—	—	26 to 28	26	28	101	13	0	260	17	27	5	22	28	20 5
Holyhead	60	40	‡	—	—	26 to 28	9	52	60	47	0	—	12	27	9	16	27	9 20
8. ENGLAND, S.W.																		
Pendennis Castle§ ..	253	65	24	—	—	23	7	47	92	22	0	—	—	—	—	—	—	— —
Plymouth	185	88	2	—	—	—	—	5	127	36	0	—	6	23	12	12	27	13 15
Lyme Regis	556	61	‡	—	—	—	—	14	48	106	0	—	11	27	10	16	27	11 30
10. IRELAND, S.																		
Kingstown (Cup Anr.) ..	49	27	—	—	—	27, 28	9	32	73	54	0	240	15	27	6	—	—	— —
Quilty	100	40	‡	—	—	27, 28	7	82	67	12	0	—	13	27	3	18	27	2 35
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	38	91	39	0	250	9	27	9	14	27	3 0
Weaver Pt.	160	30	‡	—	—	—	—	46	117	5	0	—	9	27	4	15	27	3 55
11. ENGLISH CHANNEL																		
Scilly	150	32	‡	—	—	—	—	31	111	26	0	—	9	27	15	13	23	9 55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTH WEEK of 1920—February 22nd to February 28th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	30	81·2	75·8	78·5	+ 2·0	13	+ 6	14	−19	4	− 1	1·07	27	+ 3	1·4	−1·1	14	1014
Eastern.																			
1. SCOTLAND, EAST ...	58	23	81·7	74·1	77·9	+ 1·8	16	+ 8	33	− 7	3	− 1	0·13	3	− 10	3·8	+1·1	38	1018
2. ENGLAND, N.E.	55	24	81·7	73·6	77·7	+ 0·9	16	+ 6	36	+ 4	2	− 2	0·07	2	− 6	3·9	+1·2	38	1022
3. ENGLAND, EAST ...	55	24	81·8	73·3	77·6	+ 0·7	16	+ 4	38	+ 4	3	0	0·13	3	− 4	3·9	+0·9	38	1024
4. MIDLAND COUNTIES ...	53	25	81·5	73·2	77·3	+ 0·6	15	+ 2	38	+ 2	3	0	0·10	3	− 6	2·8	+0·2	27	1024
5. ENGLAND, S.E.	54	27	82·7	74·7	78·7	+ 1·2	31	+ 17	19	− 9	2	− 1	0·07	2	− 8	3·9	+0·9	37	1025
Western.																			
6. SCOTLAND, WEST ...	54	28	81·6	75·3	78·4	+ 1·2	15	+ 6	24	− 5	4	0	0·38	10	− 12	1·5	−0·8	15	1021
7. ENGLAND, N.W.	56	28	81·3	74·8	78·1	+ 0·8	14	+ 4	27	− 1	3	− 1	0·25	6	− 8	2·6	−0·1	26	1023
8. ENGLAND, S.W.	57	26	82·4	75·9	79·2	+ 1·3	28	+ 12	13	−10	3	− 1	0·17	4	− 11	3·1	0·0	30	1024
9. IRELAND, NORTH ...	56	26	82·4	75·7	79·1	+ 1·0	28	+ 14	14	−10	4	0	0·30	8	− 9	2·5	0·0	25	1021
10. IRELAND, SOUTH ...	60	30	83·1	76·1	79·6	+ 0·9	32	+ 12	12	− 8	4	0	0·34	8	− 12	2·2	−0·8	21	1024
11. ENGLISH CHANNEL ...	54	36	83·5	78·9	81·2	+ 1·5	34	+ 10	0	− 9	2	− 2	0·22	5	− 9	4·9	+1·3	47	1025

THE SEASON (Winter).—Aggregates, &c., for the Period of 13 Weeks, November 30th, 1919, to February 28th, 1920.

0. SCOTLAND, NORTH ...	59	19	79·4	74·2	76·9	+ 0·4	82	− 13	384	− 53	71	+ 3	23·26	589	+168	1·0	0·0	14	1002
Eastern.																			
1. SCOTLAND, EAST ...	58	14	79·3	73·6	76·5	+ 0·5	79	− 14	470	− 55	61	+ 8	9·56	243	+ 42	2·0	+0·5	26	1005
2. ENGLAND, N.E.	61	23	80·6	74·7	77·7	+ 1·0	169	+ 53	332	− 92	56	+ 6	6·64	169	+ 28	2·0	+0·4	24	1010
3. ENGLAND, EAST ...	62	20	81·4	74·8	78·2	+ 1·5	232	+102	323	−130	55	+ 3	6·88	175	+ 32	1·9	+0·1	23	1014
4. MIDLAND COUNTIES ...	61	17	81·4	75·1	78·3	+ 1·7	242	+ 99	295	−179	59	+ 7	8·95	227	+ 56	1·7	+0·1	20	1014
5. ENGLAND, S.E.	62	17	82·0	76·0	79·1	+ 1·5	319	+136	195	−154	59	+ 9	8·78	225	+ 37	1·9	+0·1	22	1015
Western.																			
6. SCOTLAND, WEST ...	55	19	80·4	75·2	77·9	+ 0·6	150	+ 14	288	− 63	73	+11	19·53	497	+135	1·5	+0·2	19	1008
7. ENGLAND, N.W.	61	22	81·3	76·0	78·7	+ 1·3	234	+190	213	−130	62	+ 7	12·09	305	+ 69	1·7	+0·2	20	1011
8. ENGLAND, S.W.	62	17	82·3	76·9	79·6	+ 1·3	335	+109	121	−121	68	+10	14·69	370	+ 72	1·8	0·0	22	1014
9. IRELAND, NORTH ...	59	20	81·8	75·7	78·9	+ 1·0	293	+113	224	− 74	78	+13	14·87	378	+110	1·6	+0·1	20	1007
10. IRELAND, SOUTH ...	61	22	82·7	76·8	79·8	+ 1·0	366	+ 94	139	− 93	74	+12	14·24	360	+ 53	1·8	0·0	22	1012
11. ENGLISH CHANNEL ...	58	29	83·0	79·1	81·1	+ 0·9	445	+ 89	16	− 79	61	− 3	10·20	258	+ 4	2·2	0·0	25	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 8 Weeks, January 4th to February 28th, 1920.

0. SCOTLAND, NORTH ...	59	19	79·9	74·4	77·2½	+ 0·8	62	+ 9	214	− 71	44	+ 3	16·55	421	+170	1·2	−0·1	15	1004
Eastern.																			
1. SCOTLAND, EAST ...	58	19	80·1	73·9	77·1	+ 1·2	66	+ 10	261	− 73	36	+ 4	5·17	131	+17	2·3	+0·5	28	1008
2. ENGLAND, N.E.	61	24	81·2	74·9	78·1	+ 1·5	143	+ 73	185	− 88	31	+ 1	3·50	89	+12	2·5	+0·6	29	1013
3. ENGLAND, EAST ...	62	20	81·9	75·0	78·5	+ 2·0	172	+ 96	187	−106	27	− 4	2·68	69	−10	2·4	+0·3	27	1018
4. MIDLAND COUNTIES ...	61	20	81·8	75·1	78·5	+ 2·0	168	+ 83	180	−122	33	+ 2	4·70	119	+25	2·0	+0·2	23	1017
5. ENGLAND, S.E.	62	17	82·3	76·2	79·3	+ 2·0	212	+112	108	−124	32	+ 2	3·73	96	− 5	2·3	+0·2	26	1019
Western.																			
6. SCOTLAND, WEST ...	55	23	80·8	75·4	78·1	+ 1·0	112	+ 36	165	− 65	44	+ 6	10·30	262	+58	1·6	0·0	19	1011
7. ENGLAND, N.W.	61	25	81·7	76·1	78·9	+ 1·7	164	+ 84	127	− 96	35	+ 2	6·60	167	+35	2·0	+0·2	23	1014
8. ENGLAND, S.W.	62	17	82·4	76·9	79·7	+ 1·7	204	+ 78	78	−101	36	+ 2	6·63	167	+10	2·1	0·0	23	1018
9. IRELAND, NORTH ...	59	25	82·1	75·9	79·0	+ 1·2	193	+ 85	130	− 63	45	+ 6	7·44	189	+36	1·9	+0·1	22	1010
10. IRELAND, SOUTH ...	61	22	82·9	77·0	80·0	+ 1·4	233	+ 73	76	− 76	43	+ 6	7·75	196	+24	2·0	0·0	23	1015
11. ENGLISH CHANNEL ...	58	29	83·0	79·0	81·0	+ 1·2	270	+ 77	13	− 57	30	− 8	4·31	108	−26	2·6	+0·1	29	1020
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: March 5th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 9.

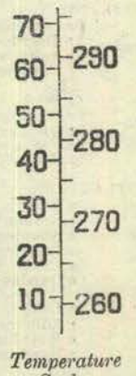
NINTH WEEK,

SUNDAY, FEBRUARY 29TH TO SATURDAY, MARCH 6TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week depressions continued to travel north-eastward off our north-west coasts, and the weather over the north-west of Scotland and north of Ireland was dull and very rainy. In other parts of the United Kingdom the conditions were generally anticyclonic and the weather mostly fair, with one or two very fine days. South-westerly winds with occasional gales prevailed in the north, and light and more variable winds further south. At the close of the week there was a sudden change to wintry conditions; snow fell in many parts of Scotland, Ireland and Wales as northerly winds spread over the country, accompanied by a considerable fall of temperature. On Sunday morning "Snow lying" was reported over a large area. The warmest day was mostly February 29th, when readings of 289 a or 290 a were recorded over the eastern parts of Great Britain and Ireland: the coldest mornings were the 4th and 5th, when readings of 270 a and below were registered in the screen in the southern counties. The lowest readings on the grass were 264 a at Hereford and Tunbridge Wells and 262 a at Wisley. The mean temperature for the week was well above the normal everywhere, the largest excess, about 4 a, being in Scotland E. and England N.E. In the Highlands of Scotland rainfall was once more abnormally heavy: the aggregates for the four days February 29th–March 3rd, were 97mm. at Glencarron, 73mm. at Ford, and 107mm. at Fort William; over Ireland and England N.W. also the week's total was more than the normal, but over England generally it was less. Bright sunshine was very unevenly distributed—generally scanty in Scotland and Ireland and moderate over England; the sunniest region was the coast of north Wales, Llandudno and Hoylake having daily means of 4½ hours. Aurora was witnessed at Seskin on February 29th, and at Aberdeen on March 4th. Solar halos were seen at Aberdeen on March 3rd and at Oxford on March 5th; there were lunar halos at Birmingham and Kew Observatory on March 1st, and at Oxford on each night from March 1st to March 4th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	5·6	23	6·9	22	4·1	20	3·0	22	7·1	18	3·9	18	3·8	19	4·6
North	4	2·0	1	3·2	3	3·5	2	2·3	5	7·6	8	6·4	3	3·1	9	6·9
West	28	7·4	23	5·9	22	3·8	17	2·8	26	3·9	11	4·0	14	5·0	14	2·9
East	0	—	2	3·1	0	—	2	0·8	0	—	11	2·6	7	1·6	4	0·9
Calm	0	—	2	—	3	—	6	—	1	—	0	—	5	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Very heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate	Light
	Sunshine ...	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Very scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 1 week from Feb. 29th, 1920.	Warmth ...	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0
	Rainfall ...	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 0, 1
	Sunshine ...	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27721—19) Wt 162—833/512 625 3/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.				No. of R in-Days.							Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.		Rainfall in the Week.	Deviation from Normal.					Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a. Islands.. a Lerwick	54	49	29, 3	39	2, 3	47·1	40·7	43·8	+ 6·1	7	1·22	31	+ 14									
p Deerness, Orkney ..	185	53	3rd	37	2, 3	49·0	40·3	44·5	—	5	0·51	13	- 2	Deerness ..	0·9	- 1·5	9	•	•	•	•	•
a Stornoway	51	54	4th	36	2, 3	49·3	39·9	44·5	+ 5·8	7	1·73	44	+ 21	Stornoway ..	1·1	- 1·6	10	•	•	•	•	•
a Castlebay, Barra I. ..	17	52	29th	37	6th	48·0	42·6	45·2	—	7	0·91	23	—	Castlebay ..	1·2	—	11	•	•	•	•	•
b. Mainland. a Wick .. .	81	56	3rd	34	3rd	49·0	38·9	43·8	+ 5·9	3	0·24	6	- 6									
a Strathpeffer	125	58	4th	31	3rd	50·0	40·7	45·2	+ 7·4	5	1·44	37	+ 23									
p Glencarron	500	56	29th	32	6th	47·6	38·1	42·7	+ 5·7	7	5·45	138	+ 98									
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—									
p Fort William	171	52	29th	34	6th	49·0	40·0	44·4	+ 5·4	7	5·46	139	+1·2									
1. SCOTLAND, E.																						
a Nairn	82	57	4th	31	3rd	50·9	40·7	45·7	+ 8·0	5	0·79	20	+ 9	Nairn	2·1	—	20	•	•	•	•	•
p Gordon Castle	101	59	4th	32	6th	54·0	39·4	46·5	+ 8·0	2	0·49	12	0	Gordon Castle..	2·7	—	26	•	•	•	•	•
a Aberdeen .. .	48	60	3rd	36	3rd	53 3	41·6	47·3	+ 8·4	2	0·53	13	0	Aberdeen ..	2·9	0·0	27	0	31	•	•	•
a Balmoral	930	57	4th	33	3rd	49·4	39·7	44 4	+10·0	4	0·56	14	- 2	Balmoral ..	•	•	•	1	30	•	•	•
p Crieff	432	56	3rd	32	3rd	51·4	39·0	45·0	+ 6·8	6	1·27	32	+ 13	Crathes	2·4	- 0·6	22	1	23	40·4	+3·5	38·4
a Dundee	244	56	4th	34	3rd	51·9	40·0	45·8	+ 8·0	4	0·68	17	+ 6	Dundee	2·3	—	22	1	29	40·1	•	•
a Leith	30	61	29th	37	3rd	52·9	42·4	47·5	+ 7·9	5	0·64	16	+ 7	Leith	•	•	•	1	30	•	•	•
p Edinburgh	441	60	29th	35	6th	51·7	41·4	46·4	+ 8·1	5	0·88	22	+ 12	Edinburgh ..	2·7	- 0·3	25	0	33	•	•	•
a West Linton	769	54	29th	33	3rd	47·7	40·0	43·7	+ 8·4	7	1·37	35	—	West Linton ..	1·7	—	16	1	25	•	•	•
p Marchmont	498	52	4th	32	2nd	48·9	38·0	43·3	+ 6·0	5	0·83	21	+ 7	Marchmont ..	1·3	- 1·4	12	•	•	•	•	•
6. a. SCOTLAND, W.																						
a Ford (Argyll)	149	52	29th	37	3rd	47·8	41·2	44·4	—	7	3·45	88	—	Ford (Argyll) ..	•	•	•	0	32	43·0	—	41·0
p Glasgow Observatory	180	54	29th	38	2, 3, 6	50·0	42·1	45·9	+ 6·6	7	1·31	33	+ 18	Glasgow.. ..	1·2	- 0·8	12	0	32	•	•	•
p Rothesay	200	54	29th	34	6th	50·0	39·7	44 7	+ 4·7	7	1·77	45	+ 24	Rothesay ..	1·2	—	11	1	29	43·1	—	42·4
a Kilmarnock	90	55	29th	37	3rd	49·7	42·0	45·7	+ 6·9	7	1·21	31	+ 15	Kilmarnock ..	1·3	—	12	•	•	43·4	—	42·3
a Colmonell	170	55	29th	39	3rd	49·9	43·0	46·4	+ 7·1	4	0·79	20	0	Colmonell ..	•	•	•	0	34	•	•	•
p Cally, Gatehouse .	120	50	29, 2	31	3rd	47·4	40·4	43·8	+ 4·7	5	1·21	31	+ 9	Dumfries ..	1·2	—	12	1	28	42·6	+3·0	41·6
p Dumfries .. .	160	54	29th	34	3rd	48·9	40·1	44·4	+ 5·2	6	0·49	13	- 3	Eskdalemuir ..	1·1	—	11	1	25	•	•	•
a Eskdalemuir	794	50	29th	30	3rd	46·3	37·4	41·7	—	6	1·48	38	—									
b. I. OF MAN p Douglas	277	50	29th	35	3rd	47·4	40·0	43·6	+ 3·0	5	0·89	23	+ 6	Douglas	1·2	- 2·0	11	1	27	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	56	6th	31	3rd	52·0	40·6	46·1	+ 7·4	4	0·59	15	- 1									
a Tynemouth	118	56	6th	34	29th	52·7	40·0	46·2	+ 7·0	4	0·44	11	- 1	Cockle Park ..	1·3	- 1·8	12	1	23	41·6	+4·1	40·8
p Durham	336	57	4th	34	3rd	52·1	40·0	45·9	+ 7·6	4	0·29	7	- 5	Durham ..	2·4	- 0·4	22	2	25	•	•	•
a North .. p Rounton	249	56	29, 1	31	3rd	52·4	38·7	45·4	+ 7·2	4	0·70	18	+ 6	Rounton ..	•	•	•	3	19	40·9	•	•
a West Witton	605	54	29th	34	3rd	50·3	40·3	45·2	—	4	0·34	9	—	West Witton ..	•	•	•	1	29	40·1	—	39·9
p Scarborough	100	58	29th	35	3rd	53·3	42·4	47·7	+ 7·8	4	0·18	5	- 8	Scarborough† ..	2·1	- 0·7	20	•	•	•	•	42·1
p York	56	58	29th	34	3rd	53·3	41·4	47·2	+ 7·6	4	0·25	6	- 6	York	1·5	- 0·9	14	—	—	41·7	+2·4	41·7
p Spurn Head	26	56	4th	32	3rd	50·7	36·1	43·2	+ 3·8	2	0·02	0·4	- 10	Spurn Head ..	•	•	•	•	•	•	•	•
b. South .. a Lincoln	58	60	29th	31	3rd	52·7	38·6	45·4	+ 5·9	3	0·12	3	- 8	Lincoln	•	•	•	1	27	41·5	+3·3	42·0
a Fulbeck	180	61	29th	31	3rd	53·3	38·4	45·6	+ 6·2	2	0·09	2	- 10	Fulbeck ..	2·8	- 0·2	26	•	•	—	—	—
														Skegness ..	3·2	- 0·1	29	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	60	4th	30	3rd	53·4	35·6	44·2	+ 4·9	4	0·21	5	- 4	Cromer	3·4	+ 0·3	32	•	•	•	•	•
a Little Massingham ..	280	55	6th	27	3rd	50·9	35·6	43·0	+ 3·9	4	0·22	6	- 6	Lit. Massingham	2·6	- 0·1	24	•	•	•	•	•
a Yarmouth	13	57	4th	31	29th	53·4	36·6	44·8	+ 5·9	2	0·24	6	- 4	Yarmouth ..	3·4	—	31	1	30	43·0	+2·9	43·6
a Norwich	93	59	4th	30	3rd	53·7	38·6	45·9	+ 6·4	4	0·27	7	- 5	Norwich ..	—	—	—	1	24	—	•	•
a Geldeston	37	62	4th	27	3rd	55·7	36·6	45·9	+ 6·3	2	0·18	5	- 5	Geldeston ..	3·4	+ 0·5	32	•	•	•	•	•
p Cambridge	41	58	6th	27	3rd	53·7	35·4	44·3	+ 4·6	4	0·26	7	- 2	Cambridge ..	2·6	- 0·4	24	4	24	42·5	+2·8	43·6
a Clacton-on-Sea ..	54	51	29, 4, 6	31	29th	49·7	36·7	43·0	+ 3·9	4	0·19	5	- 4	Clacton	3·0	- 0·2	28	2	28	43·2	+2·4	44·5
a Rothamsted	424	54	6th	26	3rd	51·3	35·7	43·3	+ 4·3	2	0·19	5	- 8	Rothamsted ..	2·8	0·0	29		22	41·2	•	•
p Tottenham	51	57	1st	30	3rd	53·3	39·0	45·9	—	3	0·44	11	—	Tottenham ..	1·7	—	16		29	•	•	44·2
														S'thend-on-Sea	3·7	—	34	0	31	43·7	+3·6	—
4. MIDLAND COUNTIES.																						
a Harrogate	479	57	29th	33	3rd	51·7	41·6	46·5	+ 8·3	4	0·29	7	- 7	Harrogate ..	2·6	- 0·2	25	1	25	41·6	+2·9	41·3
a North .. p Sheffield	429	61	4th	35	3rd	54·6	41·0	47·6	—	4	0·30	8	—	Sheffield.. ..	3·2	+ 0·7	30	1	27	41·4	+2·7	41·2
p Buxton	987	58	4th	31	3rd	50·6	39·7	45·0	—	3	0·47	12	- 14	Buxton	3·1	—	29	1	23	40·3	+2·1	40·2
a Worksop	58	62	4th	29	3rd	55·6	38·9	47·0	+ 7·3	3	0·19	5	- 5	Worksop ..	2·0	- 0·4	19	3	19	41·2	—	41·1
a Nottingham	82	62	29th	30	29, 3, 4	53·1	35·0	43·8	+ 4·3	2	0·12	3	- 7	Nottingham ..	2 3	- 0·2	21	4	20	41·5	+2·7	40·9
b. East .. p Birmingham, Edgbsn.	535	60	29th	32	3rd	51·0	38·1	44·4	+ 5·0	3	0·35	9	- 3	Birmingham ..	3·2	+ 1·1	30	3	23	42·3	+2·0	43·9
a Raunds	203	57	6th	27	3rd	52·1	36·0	43·8	+ 4·5	4	0·25	6	- 4	Raunds	3·2	—	30	1	21	41·1	—	42·5
p Oxford	208	53	3-6	31	3rd	51·7	40·4	45·9	+ 5·7	4	0·40	10	- 1	Oxford	2·5	- 0·3	23	2	23	•	•	•
														Malvern	3·5	—	33	1	27	42·2	•	42·8
a Cheadle (N. Staffs.) ..	646	59	29th	35	3rd	51·0	39·0	44·8	+ 6·5	3	0·31	8	- 7	Cheadle	•	•	•	1	26	•	•	•
c. West .. p Tenbury	313	58	29th	26	3rd	52·3	38·6	44·2	+ 4·2	5	0·34	9	- 1	Tenbury	•	•	•	3	20	42·2	—	—
a Hereford	291	62	29th	27	3rd	53·0	36·0	44·3	+ 4·2	5	0·41	11	- 1	Ross-on-Wye ..	4·0	—	37	2	19	—	—	—
a Clifton	228	53	5, 6	31	3rd	51·0	40·7	45·7	+ 4·8	5	0·38	10	- 8	Clifton	3·4	—	31	1	27	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	54	4th	26	3rd	51·4	37·3	44·1	+ 5·4	4	0·15	4	- 12	Worthing	3·2	- 0·3	30	2	25	44·5	+2·6	45·0
p Salisbury (Wilton) ..	180	57	4, 5	23	4th	53·3	36·7	44·8	+ 5·4	4	0·42	11	- 7	Marlborough ..	2·3	- 0·2	22	2	21	43·5	—	44·9
a Wisley, Surrey ..	150	59	4th	28	3, 4	53·9	36·9	44·6	+ 4·9	3	0·37	9	- 3	Salisbury ..	•	•	•	2	19	44·2	•	•
a Tunbridge Wells ..	354	60	4th	27	4th	53·9	37·7	45·6	+ 6·2	2	0·35	9	- 7	Wisley	3·2	+ 0·4	30	4	12	43·0	+2·3	43·8
a Margate	51	59	6th	34	4th	54·9	39·7	47·1	+ 6·7	2	0·11	3	- 7	Tunbridge Wells	3·2	+ 0·1	29	3	16	44·0	+5·2	44·2
														Margate	4·1	+ 1·1	38	1	29	44·2	+2·6	45·0
a Dungeness	21	54	2nd	29	29th	50·3	37·6	43·8	+ 3·9	3	0·33	8	- 3	Folkestone ..	3·3	—	30	•	•	•	•	45·2
p St. Leonards	178	53	6th	33	4th	50·7	41·7	46·1	+ 5·7	5	0·13	3	- 11	St. Leonards ..	3·4	0·0	31	1	27	44·5	—	44·4
p Southampton	64	57	4th	24	4th	53·7	39·1	46·2	+ 4·4	6	0·33	9	- 6	Southampton ..	3·1	0·0	29	2	18	•	•	•
a Ventnor	59	53	1, 4-6	35	4th	51·3	41·9	46·5	+ 4·4	6	0·37	9	- 5	Ventnor	3·5	- 0·1	32	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	57	1st	29	29th	53 0	36·4	44·5	+ 4·1	3	0·30	8	- 3	Richmond ..	2·8	+ 0·2	26	3	23	42·6	+2·0	43·7
a Westminster	27	59	1st	32	4, 5	54·1	38·3	46·0	+ 5·0	4	0 37	9	- 1	Westminster ..	2·7	+ 1·0	25	3	26	•	•	•
ag Greenwich	149	59	1st	30	3rd	53·6	37·3	45·2	+ 4·4	3	0·47	12	+ 2	Greenwich ..	3·4	+ 0·9	32	2	28	•	•	•
a Hampstead	450	56	1st	31	3, 4	51·9	38·7	45·1	—	3	0·29	7	—3	Hampstead ..	2·8	—	26	2	26	•	•	•
ag Camden Square ..	110	57	1st	30	3rd	53·1	37·7	45·2	+ 4·7	4	0·33	8	- 4	Camden Square	—	—	—	2	26	•	•	•
7. a. ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	51	29th	31	3rd	47·6	39·4	43·4	+ 4·6	5	0·84	24	+ 5	Aspatria.. ..	1·0	- 1·8	10	1	28	42·5	+1·3	42·3
p Newton Rigg	559	53	29th	28	3rd	49·3	39·9	44·5	+ 6·9	6	0·88	22	+ 3	Newton Rigg ..	1·9	- 0·8	18	2	24	—	—	—
p Stonyhurst	375	54	6th	33	3rd	50·6	38·4	44·3	+ 5·5	5	0·87	22	0	Stonyhurst ..	1·2	- 1·3	11	1	29	•	•	•
p Blackpool	66	53	1st	39	29, 3, 5	49·9	41·6	45·6	+ 6·0	5	0·52	13	- 1	Blackpool ..	1·8	- 1·4	16	1	27	43·3	—	44·0
a Southport	37	55	1st	36	3rd	51·9	41·0	46·3	+ 6·4	4	0·51	13	- 1	Southport ..	2·5	- 0·8	23	1	27	43·1	+3·7	42·3
														Hoylake	4·5	+ 1·7	42	•	•	•	•	•
a Liverpool(Bidston) ..	188	55	29, 4, 6	36	3rd	52·4	39·9	46·0	+ 5·7	3	0·67	17	+ 6	Liverpool ..	3·1	—	29	1	27	•	•	•
a Hawarden Bridge ..	22	59	4th	34	3rd	54·7	41·9	48·1	+ 7·1	3	0·62	16	+ 7	Manchester(City)	1·5	- 0·3	14	0	32	42·4	+3·2	43·2
p Manchester (Whit. Pk.)	126	58	4th	32	3rd	53·0	39·7	46·2	+ 5·7	3	0·82	21	+ 8	Whitworth Park	1·3	- 0·4	13	•	•	•	•	•
b NORTH WALES.																						
p Llandudno	16	58	29th	35	3, 6	54·3	39·9	46·9	+ 5·3	3	0·64	16	+ 3	Llandudno ..	4·6	+ 1·6	43	•	•	•	•	•
a Holyhead	15	56	3rd	30	3rd	47·9	41·1	44·4	+ 3 0	5	1·14	29	+ 13	Holyhead ..	1·5	—	14	1	26	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—									
a Aberdovey	12	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
a Aberystwyth	59	51	29, 5	39	5th	48·9	42·4	45·6	—	3	0·57	14	—	Aberystwyth ..	2·8	- 1·0	26	*	*	*	*	*	*
a Rhayader	757	53	29, 4	33	3rd	50·1	38·9	44·3	—	3	0·63	16	—	Rhayader ..	2·8	—	23	1	15	*	*	*	*
a St. Ann's Head	149	49	6th	39	3rd	47·1	42·4	44·7	+ 2·8	6	0·37	10	- 7	St. Ann's Head	3·1	- 0·1	29	*	*	*	*	*	*
p Cardiff	202	54	4th	31	3rd	50·3	38·6	44·3	+ 3·9	3	0·38	10	- 10	Cardiff	2·8	—	26	2	23	43·8	+2·7	44·6	+1·6
b, ENGLAND, S.W.																							
a Bath	68	57	4, 5	27	3rd	54·0	39·1	46·3	+ 5·6	4	0·43	11	- 3	Bath	2·6	- 0·4	24	—	—	44·3	+3·9	45·1	+1·7
a Shaftesbury	722	55	4th	30	4th	50·1	37·3	43·5	+ 4·3	5	0·34	9	- 6	Shaftesbury ..	*	*	*	*	*	44·0	—	44·3	—
a Arlington	613	55	4th	27	4th	49·7	36·8	43·1	+ 3·2	5	0·42	11	- 15										
a Newquay	190	53	4–6	29	4th	50·6	40·4	45·4	+ 2·2	5	0·49	12	- 4	Newquay ..	3·6	+ 0·4	33	—	—	46·7	—	47·4	—
a Cullompton	202	57	4, 5	24	4th	53·9	36·6	45·0	+ 4·0	5	0·79	20	+ 2	Cullompton ..	3·0	+ 0·2	28	2	19	45·3	—	*	*
a Portland Bill	19	52	6th	38	4th	50·1	42·3	46·1	+ 4·0	6	0·24	6	- 7	Weymouth ..	3·5	—	22	*	*	*	*	*	*
p Plymouth	116	56	4th	29	4th	52·1	39·7	45·7	+ 3·1	4	0·29	7	- 12	Plymouth ..	3·3	0·0	30	2	23	46·2	+3·0	47·3	—
a Falmouth	167	52	3–6	32	4th	50·7	40·0	45·2	+ 2·0	4	0·30	8	- 16	Falmouth ..	2·9	- 0·5	27	2	21	47·8	—	48·2	—
9. IRELAND, N.																							
a Mallarany	120	—	—	—	—	—	—	—	—	6	2·42	61	—	Mallarany ..	1·9	—	18	—	—	—	—	*	*
a West .. *a* Malin Head	208	53	29th	37	3rd	48·1	40·7	44·3	+ 2·9	6	1·10	28	+ 13	Malin Head ..	1·2	—	11	*	*	*	*	*	*
a Blacksod Point ..	37	53	29th	37	2nd	49·4	43·9	46·6	+ 3·8	7	1·74	44	+ 18	Markree Castle	1·0	- 1·5	9	1	27	44·9	+2·5	44·5	+0·8
p Markree Castle ..	122	54	29th	33	3rd	51·0	39·6	45·1	+ 4·1	6	1·71	43	+ 21										
b, East .. *p* Armagh	196	56	29th	34	6th	51·3	40·4	45·7	+ 4·8	6	1·04	26	+ 11	Armagh	1·2	- 1·3	11	0	31	44·4	+3·3	43·7	+0·8
a Donaghadee	39	59	29th	40	2nd	50·4	41·7	45·9	+ 4·4	4	0·83	21	+ 7										
10. IRELAND, S.																							
p Dublin, City	47	61	29th	37	6th	54·1	43·6	48·7	+ 5·9	2	0·57	14	+ 2	Trinity Coll. ..	3·0	—	28	1	26	46·6	+4·4	45·7	+1·8
a Birr Castle	175	60	29th	33	3rd	51·3	40·9	46·0	+ 5·0	3	0·75	19	+ 5	Phœnix Park ..	2·8	- 0·2	26	2	18	*	*	*	*
a Kilkenny	195	60	29th	28	3rd	51·4	38·7	44·9	+ 3·4	3	0·83	21	+ 6	Dublin City ..	*	*	*	0	32	*	*	*	*
a Waterford	137	54	4th	31	3rd	50·1	40·9	45·4	+ 2·6	4	0·92	23	+ 5	Birr Castle ..	1·3	- 1·4	12	1	25	*	*	*	*
p Seskin, Carrick-on-Suir	535	57	29th	31	6th	50·1	37·9	43·8	—	3	1·05	27	—	Seskin	3·3	—	30	1	25	*	*	*	*
a Cahir	192	55	3rd	29	3rd	50·1	40 0	44·9	+ 3·1	3	1·06	27	—										
a Foynes	50	59	29th	37	3rd	52·0	42·9	47·3	+ 4·4	3	0·80	20	+ 1										
a Cahirciveen (Val. Obs.)	30	52	3rd	35	3rd	49·3	43·3	46·2	+ 1·8	5	1·18	30	0	Cahirciveen ..	2·7	- 0·2	25	1	30	*	*	*	*
a Killarney	174	58	3rd	35	3rd	52·8	43·1	47·8	+ 4·5	5	1·34	34	+ 4	Ballinacurra ..	2·5	- 0·8	24	*	*	*	*	*	*
a Roche's Point	32	50	29, 3–5	36	3rd	48·7	43·0	45·8	+ 2·1	5	0·84	21	+ 1										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	1, 3–6	37	4th	51·0	43·7	47·2	+ 2·2	5	0·25	6	- 9	Scilly	3·7	+ 0·1	34	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	57	4th	42	1, 4, 5	54·3	44·0	49·0	+ 5·6	2	0·16	4	- 11	St. Heliers ..	2·8	- 1·1	25	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	56	1st	42	1, 4	52·9	44·7	48·7	+ 4·8	4	0·23	6	- 10	Guernsey† ..	2·8	- 0·9	26	0	35	48·3	+3·9	47·9	+2·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 6th, 1920.

DISTRICT AND STATION'	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	28, 29, 3	15	28, 29, 1 to 4	39	90	24	0	0	260	22	2	29	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	21	110	32	5	220	7	29	5	20	29	2	0
Aberdeen	153	105	52	—	—	29	1	57	94	16	0	240	11	29	2	—	—	—	—
Edinburgh	485	39	31	—	—	29, 3, 6	35	93	29	11	0	220	16	29	15	28	3	5	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	29, 3 to 6	29	107	30	2	0	210	16	6	12	25	6	11	35
Paisley	188	81	15	—	—	29, 3	5	72	71	9	11	270	13	3	13	28	3	13	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	3	13	34	96	25	0	240	15	3	12	28	3	11	35
South Shields	72	61	12	—	—	29, 3	13	69	79	7	0	280	16	3	15	24	3	15	15
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	6	7	55	87	19	0	210	14	6	22	19	6	22	45
4. MIDLAND COUNTIES																			
Benson	270	84	‡	—	—	6	2	40	108	18	0	200	11	6	16	23	6	19	30
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	20	90	58	0	—	9	6	21	17	6	21	5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	6	14	61	59	2	32	170	16	6	16	22	6	15	35
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	21	110	37	0	230	9	6	20	17	6	17 12	25 50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	2, 6	7	80	73	8	0	320	13	2	12	—	—	—	—
Southport	80	62	48	—	—	3, 6	8	73	79	8	0	280	14	6	24	19	3	9	10
Holyhead	60	40	‡	—	—	29, 2, 3, 6	28	123	14	3	0	200	14	29	18	20	29	8	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	6	1	2, 5, 6	26	36	71	34	0	200	17	6	13	27	6	15	5
Plymouth	185	88	2	—	—	6	10	30	83	45	0	—	14	6	14	19	6	16	15
Lyme Regis	556	61	‡	—	—	—	—	12	34	122	0	—	9	6	21	15	6	20	25
10. IRELAND, S.																			
*Kingstown (Cup Anr.) ..	49	27	—	—	—	29, 3, 6	10	61	62	10	25	260	13	3	23	—	—	—	—
Quilty	100	40	‡	—	—	29, 1 to 3, 6	45	103	16	4	0	—	16	6	5	21	6	4	0
Cahirciveen (Val Obs.)	98	41	‡	—	—	2, 5, 6	10	119	35	4	0	360	12	2	1	20	6	16	5
Weaver Pt.	160	30	‡	—	—	2, 3, 6	13	101	54	0	0	—	13	2	4	20	2	3	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	2, 6	6	37	61	64	0	340	17	6	16	22	6	14	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINTH WEEK of 1920—February 29th to March 6th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Temperature of the Air. At any "D.-V." Station. Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.		Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	56	32	82·3	77·3	79·7	+ 3·3	24	+ 18	6	−29	6	+ 1	2·59	66	+ 42	1·0	−1·4	10	1014
Eastern.																			
1. SCOTLAND, EAST ...	61	32	83·6	77·5	80·4	+ 4·3	32	+ 25	5	−35	5	+ 1	0·81	20	+ 7	2·1	−0·6	20	1008
2. ENGLAND, N.E.	61	31	84·4	77·2	80·7	+ 3·8	37	+ 25	7	−25	3	− 1	0·30	8	− 4	2·2	−0·7	21	1015
3. ENGLAND, EAST ...	62	26	84·6	75·6	79·9	+ 2·8	40	+ 25	15	−19	3	− 1	0·24	6	− 4	2·9	0·0	27	1019
4. MIDLAND COUNTIES ...	62	26	84·3	76·4	80·3	+ 3·2	38	+ 22	11	−23	4	0	0·30	8	− 4	2·9	+0·3	27	1018
5. ENGLAND, S.E.	60	23	84·4	76·6	80·4	+ 2·7	38	+ 21	10	−18	4	0	0·28	7	− 6	3·2	+0·2	30	1020
Western.																			
6. SCOTLAND, WEST ...	55	31	82·4	78·1	80·2	+ 3·0	24	+ 14	3	−26	6	+ 2	1·40	36	+ 15	1·2	−1·4	11	1012
7. ENGLAND, N.W.	59	28	83·7	77·6	80·5	+ 3·1	32	+ 20	5	−22	4	0	0·79	20	+ 4	2·6	−0·2	24	1016
8. ENGLAND, S.W.	57	24	83·4	77·0	80·1	+ 1·9	31	+ 13	8	−14	5	+ 1	0·42	11	− 9	3·0	0·0	28	1019
9. IRELAND, NORTH ...	60	33	83·2	78·1	80·6	+ 2·3	29	+ 13	2	−20	5	0	1·19	30	+ 11	1·1	−1·4	10	1012
10. IRELAND, SOUTH ...	61	28	83·6	78·4	80·9	+ 2·0	31	+ 9	1	−15	4	0	0·92	23	+ 3	2·4	−0·5	22	1017
11. ENGLISH CHANNEL ...	57	37	84·5	79·7	82·1	+ 2·4	44	+ 20	0	− 8	4	0	0·21	5	− 11	3·1	−0·7	28	1020

THE SEASON (Spring).—Aggregates, &c., for the Period of 1 Week, February 29th, to March 6th, 1920

0. SCOTLAND, NORTH ...	56	32	82·3	77·3	79·7	+ 3·3	24	+ 18	6	− 29	6	+ 1	2·59	66	+ 42	1·0	−1·4	10	1014
Eastern.																			
1. SCOTLAND, EAST ...	61	32	83·6	77·5	80·4	+ 4·3	32	+ 25	5	− 35	5	+ 1	0·81	20	+ 7	2·1	−0·6	20	1008
2. ENGLAND, N.E.	61	31	84·4	77·2	80·7	+ 3·8	37	+ 25	7	− 25	3	− 1	0·30	8	− 4	2·2	−0·7	21	1015
3. ENGLAND, EAST ...	62	26	84·6	75·6	79·9	+ 2·8	40	+ 25	15	− 19	3	− 1	0·24	6	− 4	2·9	0·0	27	1019
4. MIDLAND COUNTIES ...	62	26	84·3	76·4	80·3	+ 3·2	38	+ 22	11	− 23	4	0	0·30	8	− 4	2·9	+0·3	27	1018
5. ENGLAND, S.E.	60	23	84·4	76·6	80·4	+ 2·7	38	+ 21	10	− 18	4	0	0·28	7	− 6	3·2	+0·2	30	1020
Western.																			
6. SCOTLAND, WEST ...	55	31	82·4	78·1	80·2	+ 3·0	24	+ 14	3	− 26	6	+ 2	1·40	36	+ 15	1·2	−1·4	11	1012
7. ENGLAND, N.W.	59	28	83·7	77·6	80·5	+ 3·1	32	+ 20	5	− 22	4	0	0·79	20	+ 4	2·6	−0·2	24	1016
8. ENGLAND, S.W.	57	24	83·4	77·0	80·1	+ 1·9	31	+ 13	8	− 14	5	+ 1	0·42	11	− 9	3·0	0·0	28	1019
9. IRELAND, NORTH ...	60	33	83·2	78·1	80·6	+ 2·3	29	+ 13	2	− 20	5	0	1·19	30	+ 11	1·1	−1·4	10	1012
10. IRELAND, SOUTH ...	61	28	83·6	78·4	80·9	+ 2·0	31	+ 9	1	− 15	4	0	0·92	23	+ 3	2·4	−0·5	22	1017
11. ENGLISH CHANNEL ...	57	37	84·5	79·7	82·1	+ 2·4	44	+ 20	0	− 8	4	0	0·21	5	− 11	3·1	−0·7	28	1020

THE YEAR 1920.—Aggregates, &c., for the Period of 9 Weeks, January 4th to March 6th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·2	74·7	77·5	+ 1·1	86	+ 27	220	−100	50	+ 4	19·36	493	+218	1·2	−0·2	14	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·5	74·3	77·4	+ 1·4	98	+ 35	266	−108	41	+ 5	5·98	151	+24	2·3	+0·3	27	1008
2. ENGLAND, N.E.	61	24	81·6	75·1	78·4	+ 1·8	180	+ 98	192	−113	34	0	3·80	97	+ 8	2·4	+0·4	28	1014
3. ENGLAND, EAST ...	62	20	82·2	75·0	78·7	+ 2·1	212	+121	202	−125	30	− 5	2·92	75	−14	2·4	+0·2	27	1018
4. MIDLAND COUNTIES ...	62	20	82·1	75·3	78·7	+ 2·1	206	+105	191	−145	37	+ 2	5·00	127	+21	2·1	+0·2	24	1017
5. ENGLAND, S.E.	62	17	82·6	76·2	79·4	+ 2·1	250	+133	118	−142	36	+ 2	4·01	103	−11	2·4	+0·2	26	1019
Western.																			
6. SCOTLAND, WEST ...	55	23	81·0	75·7	78·4	+ 1·3	136	+ 50	168	− 91	50	+ 8	11·70	298	+73	1·6	−0·1	18	1011
7. ENGLAND, N.W.	61	25	81·9	76·2	79·1	+ 1·9	196	+104	132	−118	39	+ 2	7·39	187	+39	2·0	+0·1	23	1015
8. ENGLAND, S.W.	62	17	82·5	76·9	79·7	+ 1·6	235	+ 91	86	−115	41	+ 3	7·05	178	+ 1	2·2	0·0	24	1018
9. IRELAND, NORTH ...	60	25	82·2	76·1	79·2	+ 1·3	222	+ 98	132	− 83	50	+ 6	8·63	219	+47	1·8	0·0	20	1010
10. IRELAND, SOUTH ...	61	22	83·0	77·1	80·1	+ 1·4	264	+ 82	77	− 91	47	+ 6	8·67	219	+27	2·1	0·0	23	1015
11. ENGLISH CHANNEL ...	58	29	83·2	79·0	81·1	+ 1·3	314	+ 97	13	− 65	34	− 8	4·52	113	−37	2·7	0·0	29	1020
	°F	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: March 12th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 10.

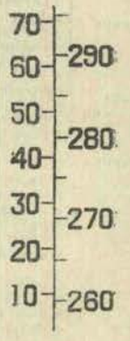
TENTH WEEK,

SUNDAY, MARCH 7TH TO SATURDAY, MARCH 13TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net

I.—GENERAL SUMMARY. [First published in 1878.]

The general character of the weather of the week was changeable and unsettled, showers of snow, hail and rain alternating with bright intervals. At first the wind was north-westerly in the rear of a large disturbance passing north-eastwards over Scandinavia, but the appearance of further depressions during the week caused irregular changes in direction and strength from day to day. Gale force was attained in most parts of the United Kingdom on the 11th or 12th. Thunder and lightning were very general over the eastern half of England on the 7th and locally in other districts on the same day and also on the 12th. "Snow-lying" was reported in most parts of Scotland on the first three days—in some places to a depth of 3 ins. Some low day temperatures were recorded in Scotland N. and Scotland E. on the 7th, at several stations the readings were as low as 275 a and at Balmoral the maximum was only 272 a. The lowest minima occurred on the morning of the 8th or 9th; readings of 271 a were registered in all except the English Channel district, the actual lowest being 267 a in the screen at Balmoral and 266 a at Raunds; on the grass the lowest were 264 a at Dublin (Phœnix Park) and West Linton, 261 a at Wisley (Surrey) and 260 a at Stonyhurst; even at Falmouth the thermometers went down to 271 a and 265 a respectively. Over England S.W. and Ireland S. rainfall was in excess of the normal, and in Ireland N. and the English Channel just equal to it, but elsewhere there was a deficiency; in Scotland N. the rainfall had been persistently heavy since the beginning of the year, the current week being the first with a total below the normal. The daily mean of bright sunshine exceeded the normal except in Scotland N. where there was a deficit; over England generally the 8th was a very bright day, many of the records varying from 8 to 10 hours. Solar halos were observed on the 9th, 11th, 12th and 13th in many parts of southern England, while the Zodiacal Light was witnessed at Tenbury on the 13th, and at Oxford on the 7th, 8th, 11th and 12th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	7·0	23	4·4	12	5·5	13	2·9	12	7·1	10	5·1	19	4·8	16	5·4
North	11	7·1	3	5·6	13	3·7	10	3·1	13	5·7	17	5·3	5	3·2	9	4·0
West	21	5·6	19	4·9	23	3·3	20	2·2	24	5·4	18	7·2	21	6·5	16	5·6
East	4	7·9	5	5·2	4	2·9	4	1·7	2	5·0	6	1·9	4	4·9	8	3·0
Calm	0	—	2	—	1	—	3	—	0	—	0	—	1	—	3	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Moderate
	Rainfall ...	Moderate	Light	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate	Abundant	Abundant	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 2 weeks from Feb. 29th, 1920.	Warmth ...	1, 1, 0	1, 0, 1	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	1, 0, 1	1, 1, 0
	Rainfall ...	1, 1, 0	1, 0, 1	0, 1, 1	0, 2, 0	0, 2, 0	0, 2, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1
	Sunshine ...	0, 1, 1	1, 1, 0	0, 1, 1	0, 2, 0	1, 1, 0	0, 2, 0	0, 1, 1	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	0, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(27800—19) Wt 162—833/512 625 3/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of R.-in-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	46	11th	30	8th	42·0	34·3	38·0	+ 0·3	5	0·55	14	- 7										
p Deerness, Orkney ..	185	45	9th	29	7, 8	42·3	33·0	37·5	—	5	0·27	7	- 12	Deerness ..	2·7	- 0·1	24	*	*	*	*	*	*
a Stornoway	51	48	9th	27	8th	43·6	33·3	38·3	- 0·5	6	1·06	27	- 1	Stornoway ..	1·9	- 1·1	17	*	*	*	*	*	*
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	*	*	*	*	*	*
b, Mainland. a Wick	81	49	9th	25	8th	42·6	30·7	36·5	- 1·7	6	0·43	11	- 4										
a Strathpeffer	125	50	12th	26	8th	43·9	29·1	36·3	- 1·8	4	0·66	17	- 1										
p Glencarron	500	53	10th	25	7th	43·3	29·6	36·3	- 0·9	5	1·31	33	- 17										
a Fort Augustus.. ..	65	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	51	10th	25	8th	45·1	31·1	37·9	- 1·4	6	1·04	26	- 19										
1. SCOTLAND, E.																							
a Nairn	82	51	10th	26	8th	43·7	29·9	36·6	- 2·0	4	0·22	6	- 6	Nairn	4·0	—	36	*	*	*	*	*	*
p Gordon Castle ..	101	50	10th	25	8th	43·6	29·4	36·3	- 3·0	4	0·41	10	- 4	Gordon Castle..	3·6	—	32	*	*	*	*	*	*
a Aberdeen	46	47	11th	27	8th	42·6	31·9	37·1	- 2·1	5	0·22	6	- 9	Aberdeen ..	4·5	+ 1·1	40	6	21	*	*	40·8	+1·0
a Balmoral	930	45	10, 11	22	8th	39·3	26·3	32·6	- 2·5	5	0·32	8	- 11	Balmoral ..	*	*	*	7	20	*	*	*	*
p Crieff	432	48	11th	25	7, 8	42·4	29·3	35·7	- 3·4	4	0·26	7	- 14	Crathes	3·8	+ 0·6	35	7	19	37·6	+0·1	39·4	+1·0
a Dundee	244	48	11th	25	8th	42·4	29·3	35·7	- 3·0	3	0·16	4	- 9	Dundee	3·7	—	33	7	22	39·3	*	*	*
a Leith	30	50	11th	28	8th	45·3	32·4	38·7	- 1·7	2	0·13	3	- 8	Leith	*	*	*	6	?22	*	*	*	*
p Edinburgh	441	47	10th	26	8th	43·1	31·1	36·9	- 2·1	2	0·06	2	- 9	Edinburgh ..	3·6	+ 0·3	32	6	22	*	*	*	*
a West Linton	769	45	11th	24	8th	40·9	30·0	35·3	- 0·8	5	0·55	9	—	West Linton ..	2·9	—	26	7	15	*	*	*	*
p Marchmont	498	48	11th	24	8th	43·7	27·7	35·5	- 2·6	2	0·04	1	- 15	Marchmont ..	3·7	+ 0·6	33	*	*	*	*	*	*
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	50	9th	24	8th	44·2	32·7	38·3	—	7	1·16	30	—	Ford (Argyll) ..	*	*	*	7	19	40·3	—	41·7	—
p Glasgow Observatory	180	47	10th	28	8th	44·0	33·3	38·5	- 1·3	4	0·24	6	- 12	Glasgow.. ..	3·2	+ 0·9	29	6	20	*	*	*	*
p Rothesay	200	46	9, 11	26	8th	43·7	31·9	37·6	- 2·2	6	0·83	21	- 3	Rothesay	3·9	—	35	6	20	39·7	—	43·2	+1·1
a Kilmarnock	90	50	11th	22	8th	45·3	32·1	38·5	- 0·8	5	0·63	16	- 3	Kilmarnock ..	3·7	—	33	*	*	40·5	—	42·9	—
a Colmonell	170	50	11, 12	30	8th	46·1	33·7	39·7	- 0·2	6	0·65	17	- 6	Colmonell ..	*	*	*	2	27	*	*	*	*
p Cally, Gatehouse ..	120	49	11th	22	8th	45·4	29·9	37·4	- 2·3	6	1·01	26	0	Dumfries ..	3·2	—	29	7	16	40.0	−0·2	42·1	+0·9
p Dumfries	160	48	11th	25	8th	43·6	31·7	37·5	- 2·3	3	0·33	8	- 11	Eskdalemuir ..	2·9	—	26	7	?16	*	*	*	*
a Eskdalemuir	794	46	11th	21	8th	40·9	27·3	33·9	—	4	0·63	16	—										
b, I.OF MAN p Douglas	277	47	13th	30	8th	44·0	34·6	39·2	- 1·7	7	0·67	17	- 3	Douglas	3·6	- 0·2	32	6	22	*	*	*	*
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle ..	210	52	10th	28	8th	45·0	31·6	38·1	- 1·1	5	0·15	4	- 12										
a Tynemouth	118	49	10, 13	27	8th	44·0	31·7	37·7	- 1·9	3	0·10	3	- 8	Cockle Park ..	4·6	+ 1·0	41	7	21	37·3	−0·4	41·2	+1·4
p Durham	336	48	11th	25	8th	43·9	29·1	36·3	- 2·6	4	0·10	3	- 8	Durham	4·3	+ 1·2	38	7	18	*	*	*	*
p Rounton	249	48	7, 10	24	8th	45·1	28·9	36·8	- 1·9	5	0·14	4	- 7	Rounton	*	*	*	7	12	39·3	*	*	*
a West Witton	605	51	11th	25	8th	43·9	31·3	37·4	—	4	0·84	21	—	West Witton ..	*	*	*	7	21	38·2	—	40·5	—
p Scarborough	100	50	13th	29	9th	45·6	34·4	39·8	- 0·7	5	0·21	5	- 7	Scarborough† ..	4·2	+ 0·8	37	*	*	*	*	42·8	—
p York	56	50	10, 11	26	8th	45·6	31·4	38·3	- 2·0	6	0·18	5	- 6	York	2·7	- 0·1	24	—	—	40·5	+0·7	42·2	+0·9
b, South .. a Spurn Head	26	48	13th	29	9th	43·7	33·3	38·4	- 1·6	5	0·47	12	+ 3	Spurn Head ..	*	*	*	*	*	*	*	*	*
a Lincoln	58	49	12, 13	26	8, 9	45·7	32·3	38·8	- 1·4	4	0·35	9	- 1	Lincoln	*	*	*	5	22	40·1	+1·3	42·4	+1·6
a Fulbeck	180	49	11-13	24	8, 9	45·6	30·6	37·9	- 2·2	5	0·22	6	- 5	Fulbeck	3·9	+ 0·4	35	*	*	—	—	—	—
														Skegness ..	3·9	+ 0·1	34	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	52	13th	26	8th	45·9	31·0	38·2	- 1·8	5	0·17	4	- 5	Cromer	3·7	+ 0·2	33	*	*	*	*	*	*
a Little Massingham ..	280	50	12th	26	8, 9	45·3	30·3	37·6	- 2·4	5	0·52	13	0	Lit. Massingham	3·4	+ 0·3	30	*	*	*	*	*	*
a Yarmouth	13	48	12th	27	8th	44·7	32·6	38·5	- 1·1	6	0·39	10	- 1	Yarmouth ..	3·6	—	32	1	25	42·9	+1·9	44·4	+1·2
a Norwich	93	50	13th	29	8th	45·1	32·9	38·8	- 1·6	5	0·33	8	- 4	Norwich	3·3	—	29	4	21	39·9	*	*	*
a Geldeston	37	51	13th	24	8th	47·4	31·0	39·0	- 1·3	4	0·28	7	- 4	Geldeston ..	3·7	+ 0·3	32	*	*	*	*	*	*
p Cambridge	41	53	7, 12	24	9th	48·7	31·4	39·8	- 0·7	4	0·33	9	0	Cambridge ..	4·5	+ 1·1	39	6	19	41·9	+0·9	43·9	+1·1
a Clacton-on-Sea ..	54	52	12th	28	8th	45·9	34·0	39·8	- 0·1	5	0·22	6	- 3	Clacton	4·6	+ 1·0	41	4	21	42·3	+0·5	44·7	+0·7
a Rothamsted	424	51	12th	26	8th	44·6	31·9	38·1	- 1·7	4	0·21	5	- 8	Rothamsted ..	4·4	+ 1·3	39	4	21	40·3	*	*	*
p Tottenham	51	52	12th	29	8, 9	47·3	34·7	40·8	—	4	0·37	9	—	Tottenham ..	3·6	—	32	2	26	*	*	44·3	+0.7
														S'thend-on-Sea	3·9	—	35	2	27	42·9	+2·6	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	50	11th	26	8th	43·7	31·4	37·4	- 1·3	5	0·44	11	- 4	Harrogate ..	3·2	0·0	29	4	22	39·6	+0·5	41·6	+1·4
p Sheffield	439	47	10-12	26	8th	44·0	32·3	38·0	—	4	0·23	6	—	Sheffield.. ..	2·8	0·0	25	5	21	39·6	+0·5	41·8	+1·0
p Buxton	987	44	11th	23	8th	41·1	30·6	35·7	—	4	0·58	15	- 12	Buxton	2·2	—	20	5	13	38·2	-0·7	40·8	0·6
b, East .. a Worksop	56	52	11th	25	9th	47·6	30·4	38·8	- 1·5	4	0·18	5	- 6	Worksop ..	3·2	+ 0·5	29	7	15	39·9	—	41·9	—
a Nottingham	82	49	12, 13	28	8, 9	45·3	31·7	38·3	- 1·7	5	0·25	6	- 5	Nottingham ..	2·9	+ 0·1	26	7	19	38·8	-0·4	41·1	+1·1
p Birmingham, Edgbsn.	535	48	11, 12	27	8th	44·6	33·1	38·7	- 1·1	7	0·44	11	- 1	Birmingham ..	3·0	+ 0·7	27	4	15	40·1	−0·3	43·9	+0·4
a Raunds	203	52	12th	20	9th	46·6	29·6	37·9	- 2·0	5	0·20	5	- 6	Raunds	4·5	—	40	6	17	41·2	—	42·5	—
p Oxford	208	52	12th	27	8, 9	47·4	33·9	40·5	- 0·2	4	0·23	6	- 5	Oxford	4·5	+ 1·5	40	6	21	*	*	*	*
														Malvern	4·7	—	42	5	25	41·0	—	43·1	—
c, West .. a Cheadle (N. Staffs.) ..	646	48	11th	22	8th	42·6	31·6	36·9	- 1·9	4	0·35	9	- 6	Cheadle	*	*	*	5	21	*	*	*	*
p Tenbury	313	52	11th	26	8, 9	47·1	31·9	39·3	- 1·1	4	0·54	14	+ 4	Tenbury	*	*	*	6	19	41·2	—	—	—
a Hereford	291	50	11, 12	27	8th	46·0	32·1	38·8	- 1·9	5	0·65	17	+ 5	Ross-on-Wye ..	4·7	—	42	7	20	—	—	—	—
a Clifton	226	50	10th	30	9th	45·9	35·7	40·7	- 0·6	5	0·59	15	- 3	Clifton	4·6	—	40	2	24	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	49	10-12	23	9th	47·0	30·7	38·6	- 0·8	5	0·65	17	0	Worthing	3·7	- 0·2	32	4	23	42·9	+0·3	45·1	+0·9
p Salisbury (Wilton) ..	180	52	10, 11	26	9th	47·6	31·3	39·2	- 1·0	5	0·66	17	- 1	Marlborough ..	3·9	+ 1·1	34	5	17	42.6	—	45·1	—
a Wisley, Surrey ..	150	51	12th	26	8, 9	46·3	33·4	39·7	- 0·8	4	0·32	8	- 5	Salisbury	*	*	*	5	20	43·0	*	*	*
a Tunbridge Wells ..	354	51	12th	26	8, 9	46·4	32·9	39·5	- 0·7	3	0·27	7	- 10	Wisley	3·7	+ 0·7	33	6	11	41·9	+0·7	44·0	+1·1
a Margate	51	51	12th	33	8th	45·9	37·1	41·4	+ 0·2	4	0·14	4	- 7	Tunbridge Wells	3·4	+ 0·1	30	4	14	42·9	+3·8	44·5	—
														Margate	3·6	+ 0·3	32	1	29	43·5	+1·4	45·3	+1·9
a Dungeness	21	52	12th	25	8th	47·9	32·7	40·6	+ 0·1	4	0·31	8	- 4	Folkestone ..	3·4	—	30	*	*	*	*	45·5	—
p St. Leonards	178	52	12th	30	9th	46·0	36·1	40·9	- 0·2	4	0·41	10	- 5	St. Leonards ..	3·9	+ 0·2	35	4	25	42·7	—	44·9	—
p Southampton	64	53	12th	26	9th	48·0	34·0	40·8	- 1·5	4	0·45	11	- 5	Southampton ..	4·4	+ 1·0	39	5	18	*	*	*	*
a Ventnor	59	53	12th	30	8, 9	48·3	37·4	42·7	- 0·1	4	0·60	15	+ 1	Ventnor	5·1	+ 1·2	45	*	*	*	*	*	*
LONDON. a Richmond (Kew Obs.)	18	52	12th	29	8–10	46·9	33·4	40·0	- 1·1	5	0·15	4	- 8	Richmond	4·1	+ 1·3	37	5	17	41·9	+0·6	44·2	+0·7
a Westminster	27	55	12th	28	9th	48·2	35·1	41·5	- 0·3	4	0·33	9	- 2	Westminster ..	3·6	+ 1·6	32	5	22	*	*	*	*
ag Greenwich	149	54	12th	27	8, 9	47·9	33·0	40·2	- 1·4	4	0·20	5	- 5	Greenwich ..	3·5	+ 0·7	31	5	22	*	*	*	*
a Hampstead	460	51	12th	26	8th	46·0	33·3	39·5	—	4	0·28	7	—	Hampstead ..	4·2	—	37	4	17	*	*	*	*
ag Camden Square ..	110	54	12th	27	8, 9	48·1	34·0	40·8	- 0·6	4	0·33	8	- 4	Camden Square	—	—	—	4	23	*	*	*	*
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	49	10, 11	23	8th	43·1	30·7	36·7	- 2·5	6	0·46	12	- 9	Aspatria.. ..	3·7	+ 0·6	33	5	18	39·7	−2·0	42·5	-0·6
p Newton Rigg	559	48	8, 11	25	8th	45·1	31·0	37·8	- 0·4	5	0·83	21	+ 2	Newton Rigg ..	3·7	+ 0·8	33	6	18	40·2	+0·7	41·7	1·4
p Stonyhurst	375	47	10, 11	22	8th	43·6	32·3	37·8	- 1·4	6	0·69	18	- 6	Stonyhurst ..	3·1	+ 0·3	28	4	9	*	*	*	*
p Blackpool	66	50	10th	30	8th	44 9	35·1	39·9	- 0·1	7	0·40	10	- 5	Blackpool ..	3·8	+ 0·4	34	6	19	42·4	—	44·2	—
a Southport	37	51	10th	31	8th	45·0	35·7	40·2	- 0·1	6	0·30	8	- 7	Southport ..	3·8	+ 0·6	34	4	23	40·7	+0·6	42·9	+1·7
														Hoylake ..	4·2	+ 1·1	38	*	*	*	*	*	*
a Liverpool(Bidston) ..	188	51	10th	32	8th	45·1	35·0	39·9	- 0·9	5	0·24	6	- 6	Liverpool ..	3·3	—	29	3	25	*	*	*	*
a Hawarden Bridge ..	22	51	10th	32	8th	45·9	35·7	40·7	- 0·8	4	0·32	8	- 2	Manchester(City)	2·0	0·0	18	2	24	39·9	+0·3	43·8	+1·4
p Manchester (Whit. Pk.)	125	51	10th	28	8th	45·0	34·1	39·4	- 1·6	4	0·48	12	- 2	Whitworth Park	1·3	- 0·6	12	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	16	52	10th	32	8th	46·1	36·1	41·0	- 0·9	5	0·54	14	0	Llandudno ..	3·4	+ 0·2	31	*	*	*	*	*	*
a Holyhead	15	49	7th	31	8th	46·3	36·1	41·1	- 3·5	6	0·98	25	+ 8	Holyhead ..	4·1	—	37	2	30	*	*	*	*
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft Mean.	Earth 4 ft Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	49	10th	32	8th	46·1	36·6	41·2	—	6	1·05	27	—	Aberystwyth ..	3·9	+ 0·7	34	•	•	•	•	•	•
a Rhayader	757	48	11th	22	8th	43·3	30·6	36·8	—	6	0·96	25	—	Rhayader ..	4·6	—	41	4	14	•	•	•	•
a St. Ann's Head	149	48	11th	32	8, 9	45·3	37·7	41·4	- 0·4	5	0·87	22	+ 4	St. Ann's Head ..	4·6	+ 1·0	41	•	•	•	•	•	•
p Cardiff	202	50	11th	30	8, 9	46·4	34·4	40·2	- 0·4	4	0·96	24	+ 2	Cardiff	3·8	—	34	4	24	42·5	+1·0	45·0	+1·8
b. ENGLAND, S.W.																							
a Bath	66	53	10th	27	9th	48·6	33·4	40·8	- 0·1	5	0·65	17	+ 2	Bath	4·8	+ 1·4	42	—	—	43·6	+2·8	45·3	+1·9
a Shaftesbury	723	50	12th	26	8, 9	45·3	32·0	38·5	- 0·9	4	0·73	19	+ 3	Shaftesbury ..	•	•	•	•	•	43·0	—	44·6	—
a Arlington	613	49	10th	28	9th	44·4	34·8	39·5	- 0·5	6	1·40	36	+ 8										
a Newquay	191	51	10th	33	8, 9	48·7	38·3	42·4	- 0·7	7	0·76	19	+ 2	Newquay ..	5·0	+ 1·3	44	—	—	45·1	—	47·5	—
a Cullompton	202	53	10th	27	9th	47·7	32·7	40·0	- 1·2	6	0·96	24	+ 5	Cullompton ..	4·4	+ 1·2	39	5	20	43·9	•	•	•
a Portland Bill	19	50	11, 12	34	8, 9	47·1	39·4	43·1	+ 0·9	5	0·60	15	+ 1	Weymouth ..	5·0	—	44	•	•	•	•	•	•
p Plymouth	116	52	10, 11	28	9th	47·7	36·6	42·0	- 0·7	6	0·98	25	+ 5	Plymouth ..	4·7	+ 1·1	42	2	24	43·4	-0·1	47·1	—
a Falmouth	167	52	10, 11	28	9th	48·1	35·3	41·5	- 1·6	7	1·22	31	+ 6	Falmouth ..	5·0	+ 1·2	45	3	18	46·0	—	47·8	—
g. IRELAND, N.																							
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	°	°
a West .. a Malin Head	208	50	13th	30	8th	46·1	34·9	40·3	- 0·4	6	0·44	11	- 3	Malin Head ..	4·2	—	38	•	•	•	•	°	°
a Blacksod Point ..	37	52	9th	31	7th	47·4	34·7	40·9	- 1·2	6	0·96	24	- 1	Markree Castle	4·2	+ 1·1	38	6	25	42·0	-1·1	44·7	+0·7
p Markree Castle ..	122	50	9, 10	27	8th	46·6	31·1	38·6	- 1·8	6	1·17	30	+ 9										
b. East .. p Armagh	196	50	10th	23	8th	46·6	32·4	39·3	- 1·1	6	0·56	14	0	Armagh	4·8	+ 1·8	43	4	?25	42·0	+0·6	44·2	+1·1
a Donaghadee	39	49	13th	29	8th	45·7	31·6	38·4	- 2·5	6	0·37	9	- 5										
10. IRELAND, S.																							
p Dublin, City	47	53	10th	29	8th	46·6	35·1	40·7	- 1·7	4	0·52	13	+ 1	Trinity Coll. ..	4·3	—	38	6	20	43·3	+0·8	46·0	+1·9
a Birr Castle	175	50	10, 11	28	9th	46·0	31·1	38·3	- 2·3	5	0·63	16	+ 1	Phœnix Park ..	5·0	+ 1·2	45	7	15	•	•	•	•
a Kilkenny	195	50	10, 11	28	8th	46·4	32·1	39·0	- 2·1	6	0·78	20	+ 5	Dublin City ..	•	•	•	4	24	•	•	•	•
a Waterford	137	50	10, 11	30	7, 8	47·7	33·6	40·4	- 1·9	4	0·64	16	- 1	Birr Castle ..	4·6	+ 1·2	40	6	23	•	•	•	•
p Seskin, Carrick-on-Suir	535	50	11th	27	7, 8	45·9	33·0	39·3	—	6	1·00	25	—	Seskin	4·6	—	41	4	22	•	•	•	•
a Cahir	199	50	10th	29	7th	47·0	33·1	39·8	- 1·6	5	0·73	19	—										
a Foynes	50	52	9th	32	7, 8	47·6	35·7	41·5	- 0·9	7	0·96	24	+ 5										
a Cahirciveen (Val. Obs.)	30	53	9th	33	8, 12	47·9	35·9	41·7	- 0·7	7	2·32	59	+ 30	Cahirciveen ..	3·8	0·0	34	4	30	•	•	•	•
a Killarney	174	55	11th	30	7, 8	49·5	34·8	41·9	- 0·9	7	2·18	55	+ 25	Ballinacurra ..	5·4	+ 1·2	48	•	•	•	•	•	•
a Roche's Point	32	51	10, 11	33	7th	48·1	36·6	42·2	- 0·9	6	1·07	27	+ 8										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	52	11th	33	9th	48·9	39·6	44·1	- 0·9	6	0·83	21	+ 3	Scilly	5·6	+ 1·9	49	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	52	12th	35	12th	47·6	39·1	42·9	- 0·8	5	0·59	15	- 3	St. Heliers ..	4·0	+ 0·1	35	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	51	12, 13	36	9th	48·0	39·6	43·7	- 0·5	5	0·81	21	+ 2	Guernsey† ..	4·8	+ 0·9	42	4	26	45·8	+1·2	48·1	+2·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 13th, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	7, 8, 12	17	6 to 12	42	62	44	3	0	330	23	7	6	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305*	75	15*	—	—	—	—	45	84	39	0	?190	10	13	13	24	7	12	15
Aberdeen	153	105	52	—	—	7, 8, 12	19	56	90	3	0	320	14	7	9	—	—	—	—
Edinburgh	485	39	31	12	2	7, 10, 12, 13	16	85	56	9	0	260	17	12	18	26	12	17	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	12	3	10, 12, 13	15	62	55	33	0	270	21	12	16	35	12	15	35
Paisley	188	81	15	—	—	12	3	51	92	22	0	300	13	12	16	30	12	16	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	7, 12, 13	5	43	78	42	0	190	14	13	13	24	12	17	25
South Shields	72	61	12	12	4	7, 12	16	65	83	0	0	280	19	12	18	31	12	16	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	95	69	4	0	190	10	10	22	17	12	15	40
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	12, 13	4	38	103	23	0	270	12	12	14	19	12	14	30
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	19	120	29	0	—	10	12	14	17	12	15	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	12, 13	15	74	75	4	0	280	17	12	12	22	12	14	15
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	26	115	27	0	280	8	12	13	15	12	12	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	12	7	7, 8, 12, 13	28	78	50	5	0	260	20	12	16	—	—	—	—
Southport	80	62	48	12	11	7, 8, 10, 12, 13	26	95	34	2	0	240	23	12	12	31	12	12	40
Holyhead	60	40	‡	12	9	7, 8, 10 to 13	37	94	24	4	0	240	20	12	10	30	12	10	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	8, 10, 13	31	61	49	27	0	270	16	12	5	23	12	10	0
Plymouth	185	88	2	—	—	10-13	8	61	68	31	0	—	13	13	10	20	13	11	5
Lyme Regis	556	61	‡	—	—	12	3	26	69	70	0	—	12	12	10	18	12	9	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	12	6	7, 9 to 13	19	83	54	6	0	250	21	12	9	—	—	—	—
Quilty	100	40	‡‡	—	—	7, 8, 10-13	55	78	32	3	0	—	25	12	5	37	12	3	45
Cahirciveen (Val Obs.)	98	41	‡‡	12	4	10 to 12	29	72	42	21	0	270	21	12	1	34	12	2	35
Weaver Pt.	160	30	‡‡	11	5	7, 10 to 13	32	70	61	0	0	—	21	11	23	28	11	23	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	12	1	7, 8, 11 to 13	19	68	63	17	0	270	17	12	4	25	12	8	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·6 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TENTH WEEK of 1920—March 7th to March 13th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	25	79·3	72·7	75·9	− 0·6	4	− 4	37	+ 3	5	0	0·84	21	− 8	2·3	−0.4	21	1008
Eastern.																			
1. SCOTLAND, EAST ...	51	22	78·9	71·7	75·2	− 1·4	2	− 8	43	+ 5	4	− 1	0·24	6	− 10	3·9	+0·8	35	1011
2. ENGLAND, N.E.	52	24	80·1	72·8	76·3	− 1·0	8	− 6	37	+ 8	5	+ 1	0·21	5	− 7	3·9	+0·6	35	1015
3. ENGLAND, EAST ...	53	24	80·8	73·1	76·9	− 0·6	11	− 6	36	+ 6	5	+ 1	0·31	8	− 3	4·0	+0·6	35	1017
4. MIDLAND COUNTIES ...	52	20	80·6	73·1	76·7	− 0·7	10	− 7	36	+ 4	5	+ 1	0·39	10	− 2	3·6	+0·7	32	1017
5. ENGLAND, S.E.	53	23	81·3	74·1	77·6	− 0·5	14	− 5	30	+ 6	4	0	0·40	10	− 4	3·9	+0·6	35	1018
Western.																			
6. SCOTLAND, WEST ...	50	22	79·9	73·3	76·5	− 0·9	7	− 4	34	+ 7	6	+ 1	0·69	18	− 6	3·4	+0·3	31	1013
7. ENGLAND, N.W.	52	22	80·2	74·1	77·1	− 0·5	8	− 5	29	+ 4	5	+ 1	0·54	14	− 3	3·7	+0·7	33	1016
8. ENGLAND, S.W.	53	22	81·0	74·5	77·7	− 0·6	12	− 6	28	+ 7	5	+ 1	0·93	24	+ 3	4·6	+1·2	41	1018
9. IRELAND, NORTH ...	52	23	81·0	73·3	77·1	− 0·9	12	− 4	35	+11	6	+ 1	0·69	18	0	4·4	+1·4	40	1012
10. IRELAND, SOUTH ...	55	28	81·6	74·2	77·8	− 0·9	15	− 7	30	+10	6	+ 2	1·09	28	+ 8	4·7	+1·0	42	1017
11. ENGLISH CHANNEL ...	52	33	81·9	77·1	79·4	− 0·4	22	− 3	7	− 2	5	0	0·74	19	0	4·8	+0·9	42	1020

THE SEASON (Spring).—Aggregates, &c., for the Period of 2 Weeks, February 29th, to March 13th, 1920.

0. SCOTLAND, NORTH ...	56	25	80·8	75·0	77·8	+ 1·3	28	+ 14	43	− 26	11	+ 1	3·34	85	+ 34	1·6	−0·9	15	1011
Eastern.																			
1. SCOTLAND, EAST ...	61	22	81·3	74·6	77·8	+ 1·4	34	+ 17	48	− 30	9	0	1·05	26	− 3	3·0	+0·1	28	1010
2. ENGLAND, N.E.	61	24	82·3	75·0	78·5	+ 1·4	45	+ 19	44	− 17	8	0	0·51	13	− 11	3·1	0·0	28	1015
3. ENGLAND, EAST ...	62	24	82·7	74·4	78·4	+ 1·1	51	+ 19	51	− 13	8	0	0·55	14	− 7	3·4	+0·3	31	1018
4. MIDLAND COUNTIES ...	62	20	82·5	74·8	78·5	+ 1·2	48	+ 15	47	− 19	9	+ 1	0·69	18	− 6	3·3	+0·5	30	1018
5. ENGLAND, S.E.	60	23	82·9	75·4	79·0	+ 1·1	52	+ 16	40	− 12	8	0	0·68	17	− 10	3·6	+0·4	32	1019
Western.																			
6. SCOTLAND, WEST ...	55	22	81·2	75·7	78·4	+ 1·1	31	+ 10	37	− 19	12	+ 3	2·09	54	+ 9	2·3	−0·5	21	1013
7. ENGLAND, N.W.	59	22	82·0	75·9	78·8	+ 1·3	40	+ 15	34	− 18	9	+ 1	1·33	34	+ 1	3·1	+0·2	29	1016
8. ENGLAND, S.W.	57	22	82·2	75·8	78·9	+ 0·6	43	+ 7	36	− 7	10	+ 2	1·35	35	− 6	3·8	+0·6	35	1019
9. IRELAND, NORTH ...	60	23	82·1	75·7	78·9	+ 0·7	41	+ 9	37	− 9	11	+ 1	1·88	48	+ 11	2·8	0·0	25	1012
10. IRELAND, SOUTH ..	61	28	82·6	76·3	79·4	+ 0·6	46	+ 2	31	− 5	10	+ 2	2·01	51	+ 11	3·5	+0·2	32	1017
11. ENGLISH CHANNEL ...	57	33	83·2	78·4	80·8	+ 1·0	66	+ 17	7	− 10	9	0	0·95	24	− 11	3·9	+0·1	35	1020

THE YEAR 1920.—Aggregates, &c., for the Period of 10 Weeks, January 4th to March 13th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·1	74·5	77·3	+ 0·9	90	+ 23	257	− 97	55	+ 4	20·20	514	+210	1·3	−0·2	15	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·3	74·1	77·2	+ 1·2	100	+ 27	309	−103	45	+ 4	6·22	157	+14	2·4	+0·3	28	1008
2. ENGLAND, N.E.	61	24	81·4	74·9	78·2	+ 1·5	188	+ 92	229	−105	39	+ 1	4·01	102	+ 1	2·6	+0·5	28	1014
3. ENGLAND, EAST ...	62	20	82·1	74.8	78·5	+ 1·8	223	+115	238	−119	35	− 4	3·23	83	−17	2·6	+0·3	28	1018
4. MIDLAND COUNTIES ...	62	20	82·0	75·0	78·5	+ 1·8	216	+ 98	227	−141	42	+ 3	5·39	137	+19	2·3	+0·3	25	1017
5. ENGLAND, S.E.	62	17	82·4	76·0	79·2	+ 1·8	264	+128	148	−136	40	+ 2	4·41	113	−15	2·6	+0·3	27	1019
Western.																			
6. SCOTLAND, WEST ...	55	22	80·9	75·5	78·2	+ 1·1	143	+ 46	202	− 84	56	+ 9	12·39	316	+67	1·8	0·0	20	1011
7. ENGLAND, N.W.	61	22	81·7	76·0	78·9	+ 1·6	204	+ 99	161	−114	44	+ 3	7·93	201	+36	2·2	+0·2	24	1015
8. ENGLAND, S.W.	62	17	82·3	76·7	79·5	+ 1·5	247	+ 85	114	−108	46	+ 4	7·98	202	+ 4	2·5	+0·2	26	1018
9. IRELAND, NORTH ...	60	23	82·1	75·8	79·0	+ 1·1	234	+ 94	167	− 72	56	+ 7	9·32	237	+47	2·1	+0·1	23	1010
10. IRELAND, SOUTH ...	61	22	82·8	76·8	79·9	+ 1·2	279	+ 75	107	− 81	53	+ 8	9·76	247	+35	2·3	0·0	25	1015
11. ENGLISH CHANNEL ...	58	29	83·0	78·9	81·0	+ 1·2	336	+ 94	20	− 67	39	− 8	5·26	132	−37	2·9	+0·1	30	1020
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: March 19th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 11.

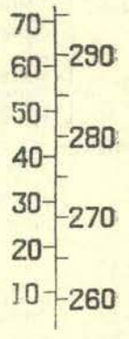
ELEVENTH WEEK,

SUNDAY, MARCH 14TH TO SATURDAY, MARCH 20TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week the weather over the United Kingdom generally was of a very inclement character. An important depression passed eastwards across England during Sunday and Monday, when rain, hail and snow fell in all districts. In Lincoln, Notts and Northants, the snow was much heavier than elsewhere; it lay to a depth of 11 inches in some parts of those counties. A rise of the barometer began in the south-west on Monday and continued to spread over the country until the close of the period, the weather gradually improving so that the last few days were in striking contrast to the beginning of the week. The maximum temperatures over Scotland and the northern half of England on Monday had been in many instances below 277 a, but over the southern half of England on Saturday most stations had maxima above 289 a, the actual highest being 291 a at Tenbury, Hereford, and Ross-on-Wye. The nights were seldom cold, although the thermometer in the screen went below 273 a in all districts except in the English Channel. The mean temperature for the week was above the normal in all districts, the excess being about 1·5 a in most of the English districts. The total rainfall varied a good deal between different parts of the country; the snowstorm of Sunday was responsible for the considerable excess above the normal in England N.E. and the Midland Counties and in other eastern districts there was a small excess, but over Ireland and the western parts of Great Britain there was a deficiency. In England S.E. bright sunshine exceeded the normal by about 1 hour per day, but in most districts it differed but little from the normal. There was a faint display of aurora in Dublin on Saturday night. Solar halos were observed at Aberdeen on the 19th, and at Oxford, Tenbury, and Ross-on-Wye on several days. The Zodiacal Light was seen on the 17th, 18th and 19th at Oxford, Tenbury and Ross.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	6·8	20	5·3	17	4·6	12	3·4	17	5·6	7	3·5	19	3·5	18	4·0
North	12	4·0	4	4·4	8	2·0	6	2·0	9	8·4	18	5·4	5	4·4	7	7·8
West	18	9·3	24	7·2	22	5·6	21	4·2	25	7·2	24	7·5	21	8·3	17	6·7
East	6	3·8	2	3·6	2	3·5	0	—	2	5·6	4	2·3	4	2·2	8	1·1
Calm	0	—	1	—	1	—	6	—	0	—	0	—	3	—	2	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *see below*, Note (1).'		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Heavy	Moderate	Very heavy	Moderate	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Light	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 3 weeks from Feb. 29th, 1920.	Warmth ...	1, 2, 0	1, 1, 1	2, 0, 1	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 1, 0	2, 0, 1	2, 0, 1	2, 0, 1	2 1, 0
	Rainfall ...	2, 1, 0	1, 1, 1	1, 1, 1	0, 3, 0	1, 2, 0	0, 3, 0	1, 2, 0	1, 2, 0	1, 2, 0	1, 2, 0	1, 1, 1	1, 1, 1
	Sunshine ...	0, 2, 1	1, 2, 0	0, 2, 1	0, 3, 0	1, 2, 0	1, 2, 0	0, 2, 1	1, 2, 0	1, 2, 0	1, 0, 2	1, 1, 1	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

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IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			
		Highest.	Date.	Lowest.	Date.	Mean for the Week, Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of R in Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.	—	°F.	—	°F.	°F.	°F.	°F.	—	in.	mm.	mm.
a, Islands.. *a* Lerwick	54	—	—	—	—	—	—	—	—	—	—	—	—
p Deerness, Orkney ..	165	48	20th	33	15th	44·6	37·1	40·7	—	6	1·74	44	+ 27
a Stornoway	51	51	17th	—	—	46·9	—	—	—	7	1·30	33	+ 9
a Castlebay, Barra I. ..	37	50	17th	35	15th	45·9	38·1	41·9	—	6	0·68	17	—
b, Mainland. *a* Wick	81	50	17th	30	15th	45·6	34·0	39·6	+ 0·5	5	0·95	24	+ 10
a Strathpeffer	125	54	20th	28	15th	48·0	35·0	41·3	+ 2·2	4	1·03	26	+ 10
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—
p Fort William	171	53	20th	26	15th	47·3	36·0	41·5	+ 1·2	7	1·82	46	+ 7
1. SCOTLAND, E.													
a Nairn	82	56	20th	27	15th	48·1	33·7	40·7	+ 1·4	3	0·44	11	0
p Gordon Castle	101	57	20th	30	14, 15	48·7	36·3	42·3	+ 2·4	4	0·77	20	+ 7
a Aberdeen	46	60	17th	33	15, 16	49·4	36·6	42·8	+ 2·9	4	1·02	26	+ 12
a Balmoral	930	55	20th	26	15th	44·7	33·1	38·7	+ 2·9	5	0·43	11	- 6
p Crieff	432	57	17th	29	15th	48·9	34·7	41·6	+ 1·7	4	0·40	10	- 8
a Dundee	244	58	17th	30	14th	50·3	35·3	42·6	+ 3·0	3	0·21	5	- 7
a Leith	30	55	17th	34	14th	48·4	37·6	42·8	+ 1·7	4	0·19	5	- 5
p Edinburgh	441	54	17th	32	15th	46·6	37·4	41·9	+ 2·2	3	0·15	4	- 6
a West Linton	769	51	17th	30	15th	45·7	35·4	40·4	+ 3·7	6	0·58	15	—
p Marchmont	498	54	17th	29	15th	48·3	35·3	41·6	+ 2·8	3	1·10	28	+ 13
6. *a*, SCOTLAND, W.													
a Ford (Argyll)	149	53	17, 20	27	15th	49·0	34·9	41·3	—	7	1·31	33	—
p Glasgow Observatory	180	51	17, 20	33	15th	47·3	38·7	42·9	+ 2·3	4	0·55	13	- 1
p Rothesay	200	51	17, 20	32	14, 15	47·1	37·1	42·0	+ 0·8	7	0·81	21	+ 2
a Kilmarnock	90	50	17, 20	31	15th	48·4	37·7	42·9	+ 2·8	4	0·52	13	- 1
a Colmonell	170	54	17th	32	15th	49·4	38·4	43·7	+ 2·9	4	0·37	9	- 9
p Cally, Gatehouse ..	120	55	19th	33	14, 15	50·1	37·6	43·7	+ 3·2	2	0·29	7	- 13
p Dumfries	160	54	17th	33	14th	47·9	37·9	42·8	+ 2·1	4	0·16	4	- 11
a Eskdalemuir	794	52	17th	28	15th	46·0	33·6	39·6	—	5	0·85	22	—
b, I. OF MAN *p* Douglas	277	56	17th	35	14th	48·9	39·3	44·0	+ 2·4	3	0·24	6	- 9
2. ENGLAND, N.E													
a North .. *a* Alnwick Castle ..	210	57	20th	31	14th	50·3	36·3	43·1	+ 2·8	4	1·34	34	+ 22
a Tynemouth	118	56	17th	34	14, 16	49·0	37·4	43·0	+ 2·3	3	0·55	14	+ 5
p Durham	336	59	20th	31	17th	48·7	35·3	41·8	+ 1·7	3	0·67	17	+ 8
p Rounton	249	58	20th	32	15th	50·4	36·0	43·0	+ 3·1	2	0·51	13	+ 5
a West Witton	605	54	20th	32	15, 16	48·4	36·1	42·1	—	4	0·44	11	—
p Scarborough	100	61	20th	35	14–16	51·9	38·3	44·9	+ 3·3	2	0·68	17	+ 8
p York	56	57	17, 20	33	15th	50·7	38·3	44·3	+ 2·8	2	0·66	17	+ 9
b, South .. *a* Spurn Head	26	52	17th	32	16th	47·0	35·4	41·0	- 0·1	2	1·02	26	+ 19
a Lincoln	58	56	17th	33	16th	49·9	37·7	43·6	+ 2·1	3	1·78	45	+ 37
a Fulbeck	180	57	17, 20	32	15, 16	49·7	36·6	43·0	+ 1·6	2	1·53	39	+ 30
3. ENGLAND, E.													
p Cromer	196	59	17, 20	29	16th	51·6	35·4	43·3	+ 2·3	3	0·36	9	+ 2
a Little Massingham ..	280	58	20th	30	16th	50·3	35·3	42·6	+ 1·6	3	0·54	14	+ 4
a Yarmouth	13	60	17th	33	14th	51·7	36·7	44·0	+ 3·5	2	0·28	7	- 1
a Norwich	93	60	17th	33	16th	51·9	38·1	44·8	+ 3·3	4	0·47	12	+ 3
a Geldeston	37	61	17th	33	19th	53·6	36·7	44·9	+ 3·6	2	0·34	9	+ 1
p Cambridge	41	61	17th	29	14th	53·0	35·4	43·9	+ 2·3	3	0·50	13	- 6
a Clacton-on-Sea ..	54	62	17th	36	19th	52·6	39·0	45·6	+ 4·7	1	0·16	4	- 3
a Rothamsted	424	59	20th	32	15, 16	51·1	36·0	43·3	+ 2·5	5	0·56	14	+ 5
p Tottenham	51	62	20th	35	15, 19	54·1	38·6	46·1	—	2	0·35	9	—
4. MIDLAND COUNTIES.													
a North .. *a* Harrogate	479	54	20th	31	15th	48·1	36·1	41·9	+ 1·9	4	0·62	16	+ 5
p Sheffield	429	57	17th	32	15th	49·1	38·1	43·4	—	4	0·82	21	—
p Buxton	987	54	17th	31	15th	45·3	35·3	40·2	—	4	0·60	15	- 5
b, East .. *a* Worksop	56	59	17, 20	33	15, 16	52·4	36·9	44·4	+ 2·7	3	1·16	29	+ 21
a Nottingham	82	60	17th	33	16th	51·0	37·3	44·0	+ 2·6	2	0·95	24	+ 16
p Birmingham, Edgbsn.	535	60	20th	32	15th	50·0	36·6	43·1	+ 1·9	3	0·94	24	+ 15
a Raunds	203	60	20th	31	16th	52·0	35·7	43·6	+ 2·3	2	0·86	22	+ 14
p Oxford	208	62	20th	33	15th	52·3	37·3	44·6	+ 2·5	2	0·52	13	+ 5
c, West .. *a* Cheadle (N. Staffs.) ..	646	57	17th	32	15th	49·6	35·9	42·6	+ 2·4	3	0·63	16	+ 5
p Tenbury	313	65	20th	32	15, 20	52·7	36·4	44·3	+ 2·1	2	0·85	22	+ 14
a Hereford	291	64	20th	32	15, 16	53·7	36·0	44·6	+ 2·5	3	0·59	15	+ 6
a Clifton	229	60	20th	34	15th	50·9	38·7	44·6	+ 2·0	2	0·02	1	- 12
5. ENGLAND, S.E.													
a Marlborough	424	54	19, 20	31	20th	48·4	35·1	41·6	+ 1·1	3	0·37	9	- 3
p Salisbury (Wilton) ..	180	63	20th	32	14, 20	53·1	36·3	44·5	+ 3·2	3	0·36	9	- 3
a Wisley, Surrey ..	150	63	20th	34	20th	54·4	37·7	45·8	+ 4·1	4	0·31	8	- 1
a Tunbridge Wells ..	354	63	20th	33	19th	54·3	37·4	45·6	+ 4·2	2	0·43	11	- 1
a Margate	51	59	17th	37	16th	53·6	40·7	47·0	+ 4·7	1	0·12	3	- 4
a Dungeness	21	53	19th	32	19th	50·1	36·7	43·2	+ 1·7	2	0·28	7	- 1
p St. Leonards	178	57	17th	36	16th	51·7	40·6	46·0	+ 3·8	3	0·27	7	- 3
p Southampton	64	64	20th	35	14–16, 20	54·4	37·9	45·9	+ 2·5	3	0·51	13	+ 2
a Ventnor	59	56	17th	36	16th	51·9	40·4	46·0	+ 2·2	4	0·66	17	+ 7
LONDON. *a* Richmond (Kew Obs.)	18	61	20th	35	14, 16, 19	53·3	37·9	45·4	+ 3·2	2	0·40	10	+ 3
a Westminster	27	62	17, 20	35	15, 16	55·4	38·4	46·7	+ 3·8	3	0·29	7	- 1
ag Greenwich	149	62	20th	34	14th	54·7	37·9	46·1	+ 3·3	3	0·27	7	- 2
a Hampstead	450	62	20th	32	15th	53·1	37·0	44·8	—	3	0·36	9	—
ag Camden Square ..	110	65	20th	34	15, 16	55·6	37·9	46·5	+ 3·9	3	0·36	9	0
7. *a*, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	51	17th	31	15th	45·6	37·0	41·2	+ 0·8	4	0·35	9	- 7
p Newton Rigg	559	54	17th	29	17th	47·3	34·3	40·6	+ 1·1	4	0·51	13	- 2
p Stonyhurst	375	54	17th	34	15th	49·6	37·9	43·6	+ 3·2	4	0·35	9	- 10
p Blackpool	66	53	17th	34	14th	48·4	39·4	43·8	+ 2·6	3	0·38	10	- 2
a Southport	37	54	17th	33	14th	48·9	39·1	43·9	+ 2·4	3	0·42	11	- 1
a Liverpool (Bidston) ..	188	59	17th	33	15th	50·4	38·6	44·3	+ 2·3	3	0·29	7	- 3
a Hawarden Bridge ..	22	62	17th	34	15th	53·6	40·0	46·6	+ 3·9	2	0·42	11	+ 3
p Manchester (Whit. Pk.)	125	58	17th	35	14, 15	49·7	39·4	44·4	+ 2·1	3	0·28	7	- 5
b. NORTH WALES.													
p Llandudno	16	57	17th	34	15th	51·1	40·4	45·6	+ 2·6	4	0·51	13	+ 2
a Holyhead ..	15	55	17th	34	15th	48·6	39·3	43·8	+ 1·1	4	0·71	18	+ 4
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft Mean.	Deviation from Average.
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	2·6	- 0·5	22	•	•	•	•	•	•
Stornoway ..	2·8	- 0·4	24	•	•	•	•	•	•
Castlebay ..	2·6	—	22	•	•	•	•	•	•
Nairn	4·2	—	36	•	•	•	•	•	•
Gordon Castle..	4·4	—	38	•	•	•	•	•	•
Aberdeen ..	4·6	+ 0·8	39	2	27	•	•	•	•
Balmoral ..	•	•	•	3	24	•	•	•	•
Crathes	4·4	+ 0·8	37	4	23	38·4	+0·3	39·0	+0·2
Dundee	3·6	—	30	2	23	37·9	•	•	•
Leith	•	•	•	2	27	•	•	•	•
Edinburgh ..	3·3	- 0·1	28	2	26	•	•	•	•
West Linton ..	1·9	—	16	4	21	•	•	•	•
Marchmont ..	3·6	+ 0·1	31	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	2	21	40·1	—	41·2	—
Glasgow.. ..	2·9	+ 0·3	25	1	26	•	•	•	•
Rothesay ..	2·8	—	24	2	26	40·4	—	42·1	-0·2
Kilmarnock ..	3·4	—	29	•	•	40·8	—	42·5	—
Colmoneil ..	•	•	•	1	29	•	•	•	•
Dumfries ..	3·1	—	26	2	27	40·8	+0·4	41·9	+0·3
Eskdalemuir ..	2·6	—	22	4	24	•	•	•	•
Douglas	3·9	- 0·3	32	1	28	•	•	•	•
Cockle Park ..	2·7	- 1·5	23	1	26	38·3	+0·2	40·2	+0·2
Durham ..	4·0	+ 0·2	34	4	27	•	•	•	•
Rounton ..	•	•	•	5	24	39·6	•	•	•
West Witton ..	•	•	•	2	28	38·3	—	40·1	—
Scarborough† ..	3·3	- 0·6	29	•	•	•	•	42·4	—
York	3·5	+ 0·2	30	—	—	40·8	+0·5	42·0	+0·5
Spurn Head ..	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	3	30	40·0	+0·7	42·1	+1·0
Fulbeck ..	2·9	- 1·1	25	•	•	—	—	—	—
Skegness ..	2·8	- 1·5	24	•	•	•	•	•	•
Cromer	3·8	- 0·4	32	•	•	•	•	•	•
Lit. Massingham	2·7	- 0·9	23	•	•	•	•	•	•
Yarmouth ..	4·0	—	34	0	32	43·3	+1·7	44·0	+0·4
Norwich ..	3·3	—	28	3	29	41·3	•	•	•
Geldeston ..	3·0	- 1·0	25	•	•	•	•	•	•
Cambridge ..	3·5	- 0·4	30	4	26	42·8	+1·2	43·9	+0·7
Clacton	4·1	- 0·1	35	0	32	43·5	+1·2	44·7	+0·4
Rothamsted ..	4·6	+ 0·9	39	4	25	41·4	•	•	•
Tottenham ..	4·7	—	40	0	35	•	•	44·1	+0.3
S'thend-on-Sea	—	—	—	—	—	—	—	—	—
Harrogate ..	3·3	- 0·6	28	1	29	40·0	+0·6	41·0	+0·5
Sheffield.. ..	3·6	+ 0·3	30	0	32	39·9	+0·4	41·5	+0·5
Buxton	2·6	—	22	2	30	38·2	-1·0	40·5	-0·5
Worksop ..	2·2	- 1·1	19	3	26	40·6	—	41·8	—
Nottingham ..	2·7	- 0·7	23	5	27	40·6	+1·3	40·7	+0·4
Birmingham ..	2·8	0·0	23	3	26	40·5	0·0	43·4	0·0
Raunds	3·3	—	28	1	30	41·6	—	42·6	—
Oxford	4·4	+ 0·8	37	2	29	•	•	•	•
Malvern ..	4·7	—	40	2	30	41·3	—	42·9	—
Cheadle	•	•	•	2	29	•	•	•	•
Tenbury	•	•	•	2	27	41·7	—	—	—
Ross-on-Wye ..	4·6	—	39	3	28	—	—	—	—
Clifton	4·1	—	35	0	31	•	•	•	•
Worthing ..	5·6	+ 1·2	48	2	30	44·2	+1·2	45·0	+0·5
Marlborough ..	3·4	+ 0·2	29	3	25	43·3	—	45·0	—
Salisbury	•	•	•	2	28	43·9	•	•	•
Wisley	4·3	+ 0·7	36	4	20	42·9	+1·3	43·9	+0·7
Tunbridge Wells	4·5	+ 0·6	38	3	23	43·5	+3·9	44·3	—
Margate	5·0	+ 1·1	42	0	32	44·4	+1·9	45·1	+1·5
Folkestone ..	3·9	—	33	•	•	•	•	•	•
St. Leonards ..	5·5	+ 1·3	47	0	31	44·4	—	45·1	—
Southampton ..	4·6	+ 0·7	39	4	28	•	•	44·8	—
Ventnor	5·6	+ 1·1	48	•	•	•	•	•	•
Richmond ..	4·3	+ 1·0	37	4	22	43·0	+1·2	44·2	+0·4
Westminster ..	3·6	+ 1·3	31	4	29	•	•	•	•
Greenwich ..	3·6	+ 0·6	31	4	28	•	•	•	•
Hampstead ..	4·8	—	41	2	28	•	•	•	•
Camden Square	—	—	—	0	31	•	•	•	•
Aspatria.. ..	2·5	- 1·0	22	1	30	40·4	-1·4	42·0	-1·4
Newton Rigg ..	3·1	- 0·3	26	4	28	—	—	—	—
Stonyhurst ..	3·3	+ 0·1	29	1	30	•	•	•	•
Blackpool ..	3·1	- 0·9	26	2	29	42·6	—	44·0	—
Southport ..	3·7	- 0·1	32	0	31	41·9	+1·1	42·6	+0·8
Hoylake	4·0	+ 0·5	35	0	•	•	•	•	•
Liverpool	4·5	—	38	1	30	•	•	•	•
Manchester(City)	2·7	+ 0·2	23	0	33	40·6	+0·7	43.3	+0·6
Whitworth Park	2·0	- 0·2	17	•	•	•	•	•	•
Llandudno ..	4·6	+ 0·8	39	•	•	•	•	•	•
Holyhead ..	2·9	—	25	0	33	•	•	•	•

† Earth temperature at 3 feet.

‡ DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr	hr.	%	°F	°F	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	49	18th	33	15th	46·9	38·9	42·8	—	4	1·36	35	—	Aberystwyth ..	4·3	+ 0·7	37	•	•	•	•	•	•
a Rhayader	757	60	20th	31	15th	49·0	35·3	42·0	—	4	1·04	26	—	Rhayader ..	4·2	—	35	3	27	•	•	•	•
a St. Ann's Head ..	149	50	17, 19	33	15th	47·9	39·3	43·5	+ 0·7	3	0·59	15	+ 2	St. Ann's Head ..	3·6	- 0·4	31	•	•	•	•	•	•
p Cardiff	202	61	20th	34	15th	49·6	37·6	43·4	+ 1·5	4	0·74	19	+ 4	Cardiff	3·9	—	33	1	29	42·9	+1·1	44·6	+1·2
b. ENGLAND, S.W.																							
a Bath	66	64	20th	33	14, 20	53·9	38·3	45·9	+ 3·7	3	0·39	10	- 1										
a Shaftesbury	722	61	20th	31	14th	51·1	36·1	43·4	+ 2·7	3	0·43	11	0	Bath	3·4	- 0·3	29	—	—	43·7	+2·0	45·0	+1·5
a Arlington	613	59	20th	32	15th	49·1	36·5	42·6	+ 1·4	5	0·77	20	+ 1	Shaftesbury ..	•	•	•	•	•	43·3	—	44·6	—
a Newquay	190	56	20th	37	14, 15, 20	50·7	39·8	45·1	—	2	0·35	9	- 3	Newquay ..	4·6	+ 0·5	39	—	—	45·9	—	47·1	—
a Cullompton	202	63	20th	32	20th	53·3	37·4	45·1	+ 2·6	5	0·55	14	+ 1	Cullompton ..	3·6	- 0·1	31	3	26	44·3	•	•	•
a Portland Bill	19	52	17th	36	16th	49·7	41·0	45·2	+ 1·9	3	0·37	9	- 1	Weymouth ..	4·5	—	38	•	•	•	•	•	•
p Plymouth	116	59	17th	34	15th	53·0	40·6	46·6	+ 2·7	3	0·42	11	- 3	Plymouth ..	4·6	+ 0·5	39	0	32	45·1	+1·1	46·8	—
a Falmouth	167	59	17th	35	14th	52·4	39·3	45·7	+ 1·5	4	0·58	15	- 2	Falmouth ..	4·6	+ 0·3	39	2	29	47·3	—	47·7	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	—	—
a Malin Head ..	208	51	17, 20	33	15th	46·9	37·0	41·8	- 0·3	5	0·28	7	- 5	Malin Head ..	2·8	- 0·4	24	•	•	•	•	•	•
a Blacksod Point ..	37	52	16, 17, 20	33	15th	49·6	38·9	44·1	+ 0·6	7	0·59	15	- 5	Markree Castle	2·0	—	17	3	26	42·8	-0·4	44·0	-0·3
p Markree Castle ..	122	57	19th	31	15th	50·9	38·1	44·3	+ 2·5	4	0·60	15	- 2										
b. East .. *p* Armagh	196	57	17th	31	15th	51·0	37·7	44·2	+ 2·3	4	0·36	9	- 3	Armagh	3·0	- 0·1	26	2	23	42·1	+0·4	43·6	+0·3
a Donaghadee	39	58	17th	32	14, 15	50·9	34·6	42·5	+ 0·2	4	0·25	6	- 5										
10. IRELAND, S.																							
p Dublin, City	47	57	17th	34	14–16	51·6	39·9	45·6	+ 1·9	5	0·11	3	- 6	Trinity Coll. ..	3·3	—	28	4	26	43·9	+1·1	45·2	+0·2
a Birr Castle	175	55	17, 19, 20	31	14–16	50·0	34·6	42·1	+ 0·2	5	0·41	10	- 2	Phœnix Park ..	4·0	+ 0·5	34	4	17	•	•	•	•
a Kilkenny	195	59	17th	31	14, 16	51·6	35·0	43·1	+ 0·6	3	0·26	7	- 4	Dublin City ..	•	•	•	3	29	•	•	•	•
a Waterford	137	60	17th	32	14th	51·7	37·3	44·3	+ 0·6	2	0·32	8	- 5	Birr Castle ..	2·2	- 0·9	19	5	25	•	•	•	•
p Seskin, Carrick-on-Suir	535	59	17th	30	15th	51·0	35·9	43·2	—	5	0·35	9	—	Seskin	3·2	—	27	4	25	•	•	•	•
a Cahir	199	59	17th	29	16th	51·0	35·6	43·1	+ 0·3	3	0·48	12	—										
a Foynes	50	58	19th	33	14, 15	51·9	38, 6	45·1	+ 1·3	3	0·20	5	- 9										
a Cahirciveen (Val. Obs.)	30	55	17, 19	33	16th	50·7	40·0	45·2	+ 0·2	5	0·55	14	- 8	Cahirciveen ..	3·0	- 0·5	25	0	32	•	•	•	•
a Killarney	174	59	17th	32	15th	52·1	39·1	45·4	+ 1·3	4	0·40	10	- 13	Ballinacurra ..	3·1	- 0·8	26	•	•	•	•	•	•
a Roche's Point	32	56	17th	35	14, 15	51·1	38·6	44·7	+ 0·4	5	0·54	14	0										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	20th	38	15th	51·3	42·6	46·8	+ 0·9	5	0·34	9	- 2	Scilly	4·8	+ 0·1	41	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	20th	36	20th	53·6	41·7	47·2	+ 2·3	3	0·28	7	- 4	St. Heliers ..	5·3	+ 0·4	45	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	60	20th	40	14, 15, 19	53·9	42·9	48·2	+ 2·8	3	0·12	3	- 9	Guernsey† ..	5·5	+ 0·5	47	1	30	46·4	+1·4	47·9	+2·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 20th, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	14, 17, 18	5	13, 14, 16 to 19	66	59	36	2	0	150	20	14	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	24	104	40	0	260	8	17	19	24	17	22	0
Aberdeen	153	105	52	—	—	16 to 18	4	60	87	17	0	300	14	16	9	—	—	—	—
Edinburgh	485	39	31	—	—	15, 17, 18	28	114	21	5	0	220	17	17	21	30	17	22	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	17	2	15 to 18	49	81	33	3	0	220	18	17	20	26	17	20	15
Paisley	188	81	15	—	—	15 to 17	8	77	72	11	0	320	12	16	1	29	17	21	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	15, 17	9	58	75	26	0	240	15	17	21	30	17	20	25
South Shields	72	61	12	17	3	15, 17, 18	31	92	42	0	0	290	20	17	24	32	17	23	20
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡‡	—	—	14 to 16	16	89	53	10	0	230	15	15	8	22	15	10	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	14	1	83	49	35	0	230	12	14	18	17	14	17	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	15	4	74	52	38	0	—	12	15	5	22	15	3	40
S. Farnboro' (Pyestk Tr)	443	152	‡‡‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550‖	43	‡‡‡	—	—	15 to 18	23	82	60	3	0	270	17	15	3	22	15	2	55
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	50	84	34	0	250	10	15	6	18	15	6	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	15, 16	18	15 to 18	35	80	34	1	0	300	23	16	4	—	—	—	—
Southport	80	62	48	15, 16	16	15 to 19	61	66	25	0	0	310	22	15	23	28	15	22	0
Holyhead	60	40	‡	15, 16	12	14 to 18	37	110	8	1	0	320	21	15	18	29	15	16	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	14	1	14 to 18	25	84	26	32	0	230	17	14	14	23	14	13	50
Plymouth	185	88	‡	—	—	14	7	73	47	41	0	—	13	14	23	22	14	22	55
Lyme Regis	556	61	‡‡	—	—	15	2	71	35	60	0	—	14	15	1	21	15	0	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	17	1	15 to 18	50	56	49	12	0	240	18	17	20	—	—	—	—
Quilty	100	40	‡‡‡	—	—	14 to 17	56	64	44	4	0	—	17	15	19	25	15	17	15
Cahirciveen (Val. Obs.)	98	41	‡‡‡	—	—	14, 15, 17	17	91	54	6	0	350	14	15	21	28	15	20	55
Weaver Pt.	160	30	‡	—	—	14 to 18	24	86	58	0	0	—	15	15	16	23	15	16	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	14	2	14 to 16	28	77	22	39	0	310	19	14	20	26	14	20	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mountane. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees. ** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

ELEVENTH WEEK of 1920—March 14th to March 20th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	54	26	81·3	74·7	77·9	+ 1·0	14	+ 5	27	− 4	6	+ 1	1·27	32	+ 6	2·7	−0·2	23	998
Eastern.																			
1. SCOTLAND, EAST ...	60	26	81·8	74·9	78·2	+ 1·2	16	+ 3	26	− 9	4	0	0·62	16	+ 2	3·9	+0·4	34	1001
2. ENGLAND, N.E.	61	31	82·8	75·7	79·2	+ 1·3	30	+ 11	15	−12	3	− 1	0·97	25	+ 16	3·2	−0·8	27	1005
3. ENGLAND, EAST ...	62	29	84·2	75·7	79·8	+ 1·7	38	+ 15	15	−13	3	0	0·40	10	+ 2	3·8	0·0	32	1009
4. MIDLAND COUNTIES ...	65	31	83·7	75·6	79·6	+ 1·4	35	+ 11	15	−13	3	0	0·71	18	+ 9	3·5	0·0	29	1009
5. ENGLAND, S.E.	64	31	84·4	76·4	80·3	+ 1·6	38	+ 15	11	−10	3	0	0·37	9	− 1	4·7	+0·9	40	1010
Western.																			
6. SCOTLAND, WEST ...	56	27	82·1	76·2	79·1	+ 1·2	24	+ 9	12	−12	4	0	0·53	13	− 6	3·4	0·0	29	1005
7. ENGLAND, N.W.	62	29	82·7	76·6	79·6	+ 1·3	27	+ 9	10	−11	3	− 1	0·43	11	− 2	3·5	+0·1	30	1008
8. ENGLAND, S.W.	64	31	83·5	76·4	79·9	+ 1·0	33	+ 9	11	− 6	4	0	0·59	15	+ 1	4·1	+0·3	35	1011
9. IRELAND, NORTH ...	58	31	82·9	75·7	79·2	+ 0·4	30	+ 10	15	− 5	5	0	0·41	10	− 5	2·5	−0·6	21	1006
10. IRELAND, SOUTH ...	60	31	83·7	76·1	79·8	+ 0·4	35	+ 8	12	− 3	4	0	0·36	9	− 6	3·1	−0·3	26	1012
11. ENGLISH CHANNEL ...	60	36	84·5	78·8	81·6	+ 1·2	38	+ 7	0	− 6	4	0	0·25	6	− 5	5·2	+0·3	44	1014

THE SEASON (Spring).—Aggregates, &c., for the Period of 3 Weeks, February 29th to March 20th, 1920.

0. SCOTLAND, NORTH ...	56	25	81·0	74·9	77·8	+ 1·2	42	+ 19	70	− 30	17	+ 2	4·70	119	+ 40	2·2	−0·5	20	1007
Eastern.																			
1. SCOTLAND, EAST ...	61	22	81·4	74·7	77·9	+ 1·3	50	+ 20	74	− 39	13	0	1·67	42	− 1	3·3	+0·2	30	1007
2. ENGLAND, N.E.	61	24	82·4	75·2	78·7	+ 1·3	75	+ 30	59	− 29	11	− 1	1·48	38	+ 5	3·1	−0·3	28	1012
3. ENGLAND, EAST ...	62	24	83·2	74·8	78·9	+ 1·3	89	+ 34	66	− 26	11	0	0·95	24	− 5	3·5	+0·1	31	1015
4. MIDLAND COUNTIES ...	65	20	82·9	75·0	78·9	+ 1·3	83	+ 26	62	− 32	12	+ 1	1·40	36	+ 3	3·3	+0·3	29	1015
5. ENGLAND, S.E.	64	23	83·4	75·7	79·4	+ 1·2	90	+ 31	51	− 22	11	0	1·05	26	− 11	3·9	+0·5	35	1016
Western.																			
6. SCOTLAND, WEST ...	56	22	81·5	75·9	78·6	+ 1·1	55	+ 19	49	− 31	16	+ 3	2·62	67	+ 3	2·7	−0·3	24	1010
7. ENGLAND, N.W.	62	22	82·2	76·1	79·1	+ 1·3	67	+ 24	44	− 29	12	0	1·76	45	− 1	3·3	+0·3	29	1013
8. ENGLAND, S.W.	64	22	82·6	76·0	79·2	+ 0·7	76	+ 16	47	− 13	14	+ 2	1·94	50	− 5	3·9	+0·5	35	1016
9. IRELAND, NORTH ...	60	23	82·4	75·7	79·0	+ 0·6	71	+ 19	52	− 14	16	+ 1	2·39	60	+ 8	2·7	−0·2	24	1010
10. IRELAND, SOUTH ...	61	28	83·0	76·2	79·5	+ 0·5	81	+ 10	43	− 8	14	+ 2	2·37	60	+ 5	3·4	+0·1	30	1015
11. ENGLISH CHANNEL ...	60	33	83·6	78·5	81·0	+ 1·0	104	+ 24	7	− 16	13	0	1·20	30	− 16	4·4	+0·2	39	1018

THE YEAR 1920.—Aggregates, &c., for the Period of 11 Weeks, January 4th to March 20th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·2	74·5	77·4	+ 1·0	104	+ 28	284	−101	61	+ 5	21·47	546	+216	1·5	−0·2	17	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·5	74·1	77·3	+ 1·2	116	+ 30	335	−112	49	+ 4	6·84	173	+16	2·6	+0·4	28	1008
2. ENGLAND, N.E.	61	24	81·6	75·0	78·3	+ 1·5	218	+103	244	−117	42	0	4·98	127	+17	2·7	+0·4	28	1013
3. ENGLAND, EAST ...	62	20	82·3	74.9	78·6	+ 1·8	261	+130	253	−132	38	− 4	3·63	93	−15	2·7	+0·2	28	1017
4. MIDLAND COUNTIES ...	65	20	82·1	75·1	78·6	+ 1·8	251	+109	242	−154	45	+ 3	6·10	155	+28	2·4	+0·2	25	1016
5. ENGLAND, S.E.	64	17	82·6	76·0	79·4	+ 1·9	302	+143	159	−146	43	+ 2	4·78	122	−16	2·8	+0·4	29	1018
Western.																			
6. SCOTLAND, WEST ...	56	22	81·0	75·5	78·3	+ 1·1	167	+ 55	214	− 96	60	+ 9	12·92	329	+61	1·9	−0·1	21	1011
7. ENGLAND, N.W.	62	22	81·8	76·1	79·0	+ 1·6	231	+108	171	−125	47	+ 2	8.36	212	+34	2·3	+0·2	25	1014
8. ENGLAND, S.W.	64	17	82·4	76·6	79·5	+ 1·4	280	+ 94	125	−114	50	+ 4	8·57	217	+ 5	2·6	+0·2	27	1017
9. IRELAND, NORTH ...	60	23	82·2	75·8	79·0	+ 1·0	264	+104	182	− 77	61	+ 7	9·83	249	+44	2·1	0·0	23	1010
10. IRELAND, SOUTH ...	61	22	82·9	76·8	79·9	+ 1·2	314	+ 83	119	− 84	57	+ 8	10·12	256	+29	2·4	0·0	25	1015
11. ENGLISH CHANNEL ...	60	29	83·2	78·8	81·0	+ 1·2	374	+101	20	− 73	43	− 8	5·51	138	−42	3·1	+0·1	32	1020
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: March 26th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 12.

TWELFTH WEEK,

SUNDAY, MARCH 21ST TO SATURDAY, MARCH 27TH, 1920.

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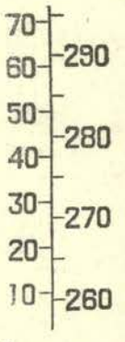
I.—GENERAL SUMMARY. [First published in 1878.]

For the first few days of the period the weather over the greater part of England was unusually fine and warm, while over the rest of the United Kingdom it was less settled. Disturbed conditions and strong winds spread over the whole country later in the week, and there were gales locally on Friday. Thunder and lightning occurred in the south of Ireland and in different parts of Scotland on the 26th. The warmest days were the 21st and 22nd and the region of maximum warmth (about 293 a) the inland parts of southern and eastern England; at many coast stations in the west the maxima failed to go above 283 a all the week. The lowest minima occurred on different days, readings in the screen a little below freezing point were recorded in most districts, while at Crathes and Dublin on the 22nd the thermometer on the grass went down to 267 a. The mean temperature for the week was everywhere above the normal, the excess over the eastern half of England being about 3·5 a. Rainfall was less than the normal in England E., England S.E., and the Channel Islands, but more in all other districts, the region of heavy rain being Scotland W. and England N.W. Amounts of 20mm. and more in a day were common in those two districts, Holyhead having 21mm. on the 24th, and 28mm. on the 26th. The daily means of bright sunshine were above the normal in all the eastern districts and below in all the western; in England E., with only one cloudy day during the week, the average duration was 6·8 hr., 2·6 hr. more than the normal, whereas in Ireland S. the average was only 2·1 hr., just half the normal. Aurora borealis was witnessed on the 21st, 22nd, and 23rd, the display on the 22nd being unusually brilliant in the Channel Islands and the south of England. Solar halos were observed at Clacton-on-Sea on the 26th, at Oxford on the 21st, 24th, 26th, and 27th, and at Ross-on-Wye on the 27th, and lunar halos over the greater part of southern England on the 26th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	27	4·8	26	5·6	23	5·7	20	5·2	22	6·5	24	5·2	21	5·6	25	5·1
North	1	0·8	0	—	0	—	0	—	1	3·7	1	1·9	1	1·1	0	—
West	19	4·4	14	3·7	17	4·0	16	2·4	15	4·1	21	4·7	11	3·7	12	4·4
East	7	2·1	11	3·2	7	3·9	5	1·9	4	2·0	6	2·4	8	1·7	13	1·9
Calm	0	—	1	—	4	—	5	—	5	—	0	—	5	—	2	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Unusual
Rainfall ...	Heavy	Heavy	Heavy	Light	Heavy	Moderate	Very heavy	Very heavy	Heavy	Heavy	Heavy	Moderate
Sunshine ...	Moderate	Abundant	Abundant	Abundant	Abundant	Abundant	Scanty	Moderate	Moderate	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 4 weeks from Feb. 29th, 1920. Warmth ...	2, 2, 0	2, 1, 1	3, 0, 1	3, 1, 0	3, 1, 0	3, 1, 0	3, 1, 0	3, 1, 0	3, 0, 1	3, 0, 1	2, 1, 1	3, 1, 0
Rainfall ...	3, 1, 0	2, 1, 1	2, 1, 1	0, 3, 1	2, 2, 0	0, 4, 0	2, 2, 0	2, 2, 0	2, 2, 0	2, 2, 0	2, 1, 1	1, 2, 1
Sunshine ...	0, 3, 1	2, 2, 0	1, 2, 1	1, 3, 0	2, 2, 0	2, 2, 0	0, 2, 2	1, 3, 0	1, 3, 0	1, 1, 2	1, 1, 2	0, 3, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28037—19) Wt. 24—561/P 25 625 4/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of R. in Days.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. *a* Lerwick	54	49	21, 22	37	21, 26, 27	47·6	39·3	43·3	+ 4·7	6	1·14	29	+ 12										
p Deerness, Orkney ..	165	48	21–23	36	27th	46·7	39·7	43·1	—	5	0·91	23	+ 8	Deerness ..	4·0	+ 0·7	33	•	•	•	•	•	•
a Stornoway	31	51	22, 23	33	27th	48·0	39·4	43·6	+ 3·7	6	1·10	28	+ 5	Stornoway ..	3·4	- 0·1	28	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•	•
b, Mainland. *a* Wick	81	55	22nd	34	27th	50·0	38·4	44·0	+ 4·6	4	0·59	15	+ 2										
a Strathpeffer	125	57	22nd	32	27th	52·4	37·1	44·5	+ 4·8	3	0·42	11	- 4										
p Glencarron	500	53	23rd	33	27th	47·6	37·3	42·3	+ 3·4	5	1·34	34	- 9										
a Fort Augustus	65	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	51	23rd	34	27th	49·0	38·6	43·7	+ 2·9	5	2·55	65	+ 29										
1. SCOTLAND, E.																							
a Nairn	82	58	22nd	32	27th	53·1	36·9	44·8	+ 4·9	3	0·28	7	- 4	Nairn	6·0	—	49	•	•	•	•	•	•
p Gordon Castle	101	59	22, 23	35	26th	53·7	39·3	46·3	+ 5·8	2	0·50	13	0	Gordon Castle ..	6·1	—	50	•	•	•	•	•	•
a Aberdeen	46	60	22nd	34	21st	51·6	36·9	44·0	+ 3·6	5	0·37	9	- 5	Aberdeen ..	5·7	+ 1·6	47	2	29	•	•	40·9	+0·7
a Balmoral	930	60	22nd	32	23, 27	49·7	33·6	41·4	+ 5·0	5	1·64	42	+ 25	Balmoral ..	•	•	•	3	29	•	•	•	•
p Crieff	432	57	22nd	33	27th	49·6	36·0	42·6	+ 2·1	5	1·56	40	+ 22	Crathes	5·7	+ 1·8	47	2	21	41·5	+2·7	40·0	+0·8
a Dundee	244	60	22nd	32	23rd	51·4	35·6	43·3	+ 3·1	5	0·60	15	+ 3	Dundee	4·0	—	33	2	25	42·0	•	•	•
a Leith	30	53	21–23, 27	36	27th	51·3	39·6	45·3	+ 3·6	5	0·63	16	+ 6	Leith	•	•	•	0	31	•	•	•	•
p Edinburgh	441	55	22nd	36	27th	50·1	38·9	44·3	+ 4·1	5	0·76	19	+ 9	Edinburgh ..	4·7	+ 0·7	38	2	27	•	•	•	•
a West Linton	769	51	21, 22	32	22nd	47·1	36·6	41·7	+ 4·4	5	1·65	42	—	West Linton ..	3·1	—	25	4	24	•	•	•	•
p Marchmont	498	60	22nd	31	25th	51·3	34·4	42·6	+ 3·2	5	1·34	34	+ 19	Marchmont .	4·3	+ 0·5	35	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	50	22nd	34	27th	48·0	38·7	43·2	—	5	2·52	61	—	Ford (Argyll) ..	•	•	•	0	31	43·0	—	41·5	—
p Glasgow Observatory	180	51	24th	37	26, 27	49·0	40·1	44·4	+ 3·4	5	1·54	39	+ 24	Glasgow	2·0	- 1·1	16	0	32	•	•	•	•
p Rothesay	200	49	25th	33	27th	47·1	38·4	42·6	+ 1·0	6	1·97	50	+ 30	Rothesay	2·2	—	17	1	29	43·7	—	43·0	+0·6
a Kilmarnock	99	53	23rd	36	23, 26, 27	50·1	39·0	44·4	+ 3·9	5	1·41	36	+ 21	Kilmarnock ..	3·1	—	26	•	•	43·8	—	42·9	—
a Colmonell	170	55	22nd	36	27th	49·6	39·0	44·1	+ 3·0	5	2·18	55	+ 37	Colmonell ..	•	•	•	0	32	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	3·0	—	25	3	28	43·4	+2·5	42·6	+0·7
p Dumfries	160	55	22nd	36	22nd	48·9	38·3	43·4	+ 2·2	5	2·61	66	+ 51	Eskdalemuir ..	2·8	—	23	24	25	•	•	•	•
a Eskdalemuir	794	55	22nd	32	22, 27	46·6	34·4	40·3	—	5	3·23	82	—										
b, I. OF MAN *p* Douglas	277	49	22, 27	38	26, 27	47·4	39·4	43·3	+ 1·5	5	1·92	49	+ 33	Douglas	2·1	- 2·6	17	0	31	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	61	23rd	32	22nd	54·3	35·9	44·8	+ 4·3	5	1·22	31	+ 18										
a Tynemouth	118	59	23rd	36	27th	52·6	38·6	45·4	+ 4·6	5	1·12	28	+ 18										
p Durham	336	61	21st	31	22nd	54·6	35·7	44·4	+ 4·0	5	1·26	32	+ 22	Cockle Park ..	4·9	+ 0·5	40	2	23	41·4	+2·5	42·0	+1·7
a North .. *p* Rounton	249	64	21st	33	22, 23	55·6	36·6	45·8	+ 5·8	5	1·04	27	+ 17	Durham	5·9	+ 1·9	48	5	23	•	•	•	•
a West Witton	605	60	21–23	33	27th	54·0	37·3	45·4	—	4	1·95	50	—	Rounton	•	•	•	6	24	42·9	•	•	•
p Scarborough	100	61	21st	37	26, 27	55·6	41·0	48·1	+ 6·4	3	0·30	8	- 2	West Witton ..	•	•	•	2	29	41·6	—	40·5	—
p York	56	63	23rd	37	27th	56·6	40·3	48·2	+ 6·3	4	0·50	13	+ 3	Scarborough† ..	6·4	+ 2·1	53	•	•	•	•	44·1	—
b, South .. *a* Spurn Head	26	54	24, 25, 27	36	21st	51·4	38·9	45·0	+ 3·6	3	0·39	10	+ 2	York	3·8	+ 0·1	31	—	—	44·0	+2·9	42·7	+0·9
a Lincoln	58	64	21, 23	36	21st	58·1	40·1	48·8	+ 6·8	3	0·19	5	- 4	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Fulbeck	180	65	21st	36	26, 27	59·6	39·7	49·4	+ 7·5	4	0·20	5	- 5	Lincoln	•	•	•	0	32	44·1	+4·0	42·5	+1·0
														Fulbeck	6·6	+ 2·1	54	•	•	—	—	—	—
														Skegness ..	7·1	+ 2·3	58	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	66	21st	35	26th	60·9	39·3	49·8	+ 8·3	3	0·11	3	- 7	Cromer	7·7	+ 3·2	63	•	•	•	•	•	•
a Little Massingham ..	280	64	21, 22	35	26th	59·0	39·0	48·7	+ 7·2	3	0·28	7	- 7	Lit. Massingham	7·6	+ 3·5	62	•	•	•	•	•	•
a Yarmouth	13	62	21st	35	24, 25	54·6	37·7	45·9	+ 4·9	2	0·09	2	- 10	Yarmouth ..	7·4	—	61	0	33	45·9	+3·4	45·3	+1·2
a Norwich	93	66	21st	36	21st	60·1	40·3	49·9	+ 7·9	4	0·18	5	- 9	Norwich ..	7·2	—	59	1	30	44·9	•	•	•
a Geldeston	37	66	21st	30	21st	60·6	37·0	48·5	+ 6·7	2	0·09	2	- 10	Geldeston ..	7·2	+ 2·8	59	•	•	•	•	•	•
p Cambridge	41	68	23rd	32	21st	61·7	36·9	48·9	+ 6·8	3	0·17	4	- 6	Cambridge ..	6·9	+ 2·6	56	4	27	46·4	+3·9	45·0	+1·4
a Clacton-on-Sea ..	54	54	22nd	39	24th	51·9	42·6	47·1	+ 5·7	3	0·06	2	- 8	Clacton	7·1	+ 2·5	58	0	32	46·8	+3·8	45·8	+1·2
a Rothamsted	424	63	21, 22	34	21, 26	57·6	37·1	47·1	+ 5·8	3	0·30	8	- 6	Rothamsted ..	6·2	+ 2·1	51	4	25	44·5	•	•	•
p Tottenham	51	65	22nd	37	21st	58·4	41·3	49·6	—	3	0·06	2	—	Tottenham ..	4·5	—	37	0	31	•	•	45·3	+1.3
														S'thend-on-Sea	6·1	—	50	0	37	47·6	+5·7	—	—
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	61	21st	35	27th	55·1	38·0	46·3	+ 6·4	3	0·81	21	+ 9	Harrogate ..	5·4	+ 1·3	44	0	31	43·0	+3·1	42·4	+1·6
p Sheffield	429	65	21st	36	27th	56·6	40·3	48·2	—	4	0·56	14	—	Sheffield ..	4·2	+ 0·6	35	1	29	43·2	+3·1	42·0	+0·8
p Buxton	987	61	21st	34	21, 26	53·3	36·4	44·6	—	4	0·81	21	- 1	Buxton	4·5	—	37	3	28	41·9	+2·3	40·9	-0·2
a Worksop	56	67	21st	31	23rd	59·1	36·6	47·5	+ 5·9	3	0·29	7	- 3	Worksop ..	4·9	+ 1·4	40	5	24	43·9	—	42·7	—
a Nottingham	82	65	21st	34	21st	58·3	38·1	47·9	+ 6·5	3	0·24	6	- 3	Nottingham ..	5·2	+ 1·5	43	4	26	44·1	+3·8	42·1	+1·4
b, East .. *p* Birmingham, Edgbas.	535	62	21–23	36	27th	56·0	40·4	48·0	+ 6·8	5	0·65	17	+ 6	Birmingham ..	4·7	+ 1·7	38	2	29	44·1	+3·2	43·7	+0·3
a Raunds	203	67	21, 22	32	21st	60·7	37·3	48·7	+ 7·3	4	0·17	4	- 5	Raunds	6·6	—	54	0	31	44·4	•	43·0	—
p Oxford	208	66	22, 23	35	21, 22	59·0	38·9	48·7	+ 6·6	3	0·28	7	- 3	Oxford	5·9	+ 2·0	49	3	28	•	•	•	•
a Cheadle (N. Staffs.) ..	646	63	21st	34	26, 27	55·6	38·3	46·7	+ 6·5	4	0·73	19	+ 6	Malvern	5·2	—	43	0	31	45·6	—	44·1	—
c, West .. *p* Tenbury	313	61	22nd	32	21, 22	56·0	36·4	45·9	+ 4·2	5	0·73	19	+ 10	Cheadle	•	•	•	2	26	•	•	•	•
a Hereford	291	61	22nd	33	21, 22	55·4	37·3	46·1	+ 4·0	5	1·13	29	+ 19	Tenbury	•	•	•	4	26	45·3	—	—	—
a Clifton	229	63	22nd	38	22nd	55·6	41·7	48·4	+ 5·7	4	0·68	17	+ 1	Ross-on-Wye ..	5·0	—	41	3	28	—	—	—	—
														Clifton	4·9	—	40	0	33	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	65	22nd	31	21, 22	56·4	35·4	45·6	+ 4·8	4	0·48	12	- 3	Worthing	5·9	+ 1·0	48	0	33	47·8	+4·3	45·9	+1·1
p Salisbury (Wilton) ..	180	67	22nd	32	22nd	57·1	36·9	46·7	+ 5·1	4	0·62	16	0	Marlborough ..	4·5	+ 0·8	37	4	26	46·6	—	45·6	—
a Wisley, Surrey ..	150	66	22nd	33	21, 22	59·6	39·4	49·2	+ 7·2	4	0·20	5	- 6	Salisbury	•	•	•	3	29	46·7	•	•	•
a Tunbridge Wells ..	354	64	21, 22	35	21st	57·9	40·1	48·7	+ 7·0	3	0·18	5	- 9	Wisley	5·7	+ 1·7	47	5	23	46·5	+4·3	44·8	+1·3
a Margate	51	61	22nd	40	21st	57·0	43·3	50·0	+ 7·4	2	0·16	4	- 6	Tunbridge Wells	5·9	+ 1·4	48	4	28	46·7	+5·9	45·1	—
														Margate	6·3	+ 1·9	52	0	32	48·0	+5·0	46·4	+2·6
a Dungeness	21	57	22, 23	35	21st	53·7	42·3	47·8	+ 6·0	4	0·16	4	- 7	Folkestone ..	5·2	—	43	•	•	•	•	45·0	—
p St. Leonards	178	58	22nd	41	20, 27	54·0	43·3	48·5	+ 6·0	4	0·24	6	- 7	St. Leonards ..	6·5	+ 1·8	53	0	35	48·2	—	45·4	—
p Southampton	64	62	22nd	36	22nd	56·7	41·1	48·7	+ 5·0	4	0·47	12	- 2	Southampton ..	5·2	+ 0·7	42	5	29	•	•	•	•
a Ventnor	59	59	22nd	41	21, 22	55·3	43·6	49·3	+ 5·3	4	0·37	9	- 3	Ventnor	5·0	0·0	41	•	•	•	•	•	•
LONDON. *a* Richmond (Kew Obs.)	18	65	23rd	37	21–23	59·1	40·1	49·3	+ 6·8	3	0·13	3	- 7	Richmond ..	4·7	+ 0·8	38	5	27	45·9	+3·6	45·0	+0·9
a Westminster	27	67	21st	38	21st	60·4	42·3	51·1	+ 7·9	3	0·19	5	- 5	Westminster ..	4·9	+ 2·1	40	0	32	•	•	•	•
ag Greenwich	149	66	21, 22	35	21st	61·3	39·3	50·0	+ 6·6	2	0·25	6	- 3	Greenwich ..	5·4	+ 2·0	44	5	26	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	•	•	•	•
ag Camden Square ..	110	65	21–24	37	22nd	61·4	40·1	50·4	+ 7·3	4	0·16	4	- 7	Camden Square	—	—	—	0	32	•	•	•	•
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	53	23rd	32	22nd	48·9	37·9	43·2	+ 2·6	5	2·62	67	+ 51	Aspatria	4·0	- 0·1	33	0	31	43·2	+1·3	42·7	-0·8
p Newton Rigg	559	59	22nd	30	21st	50·9	37·0	43·7	+ 4·0	6	3·08	78	+ 63	Newton Rigg ..	4·4	+ 0·5	36	2	28	43·4	+3·0	41·8	+1·1
p Stonyhurst	376	57	22nd	36	26, 27	52·4	40·0	46·0	+ 5·4	5	1·81	46	+ 27	Stonyhurst ..	4·0	+ 0·2	33	0	31	•	•	•	•
p Blackpool	66	55	23rd	33	22nd	51·9	40·1	45·8	+ 4·4	5	1·98	50	+ 38	Blackpool ..	3·2	- 1·4	26	1	25	44·5	—	44·3	—
a Southport	37	54	23rd	33	22nd	51·9	39·6	45·6	+ 3·9	5	1·80	46	+ 34	Southport ..	3·7	- 0·7	30	2	28	44·6	+3·0	44·1	+1·7
														Hoylake ..	3·3	- 0·8	27	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	56	23rd	37	27th	52·4	40·3	46·2	+ 4·0	5	1·38	35	+ 25	Liverpool ..	3·5	—	29	0	31	•	•	•	•
a Hawarden Bridge ..	22	57	23rd	38	22, 27	53·6	40·4	46·8	+ 3·9	5	1·40	36	+ 27	Manchester (City)	2·7	- 0·2	22	0	35	43·9	+3·5	44.0	+1·1
p Manchester (Whit. Pk.)	125	59	21st	37	27th	54·1	42·1	47·9	+ 5·4	3	0·76	19	+ 7	Whitworth Park	2·8	+ 0·1	23	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	54	23rd	35	22nd	50·9	39·9	45·2	+ 2·1	5	2·26	57	+ 46	Llandudno ..	3·0	- 1·5	25	•	•	•	•	•	•
a Holyhead	15	54	22nd	39	23, 27	50·0	40·7	45·2	+ 2·4	5	3·11	79	+ 65	Holyhead ..	2·0	—	17	2	29	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—										

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F	°F.		in.	mm.	mm.		hr	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a.* SOUTH WALES.																							
a Aberystwyth	59	57	21st	35	21st	52·0	41·7	46·7	—	5	1·87	47	—	Aberystwyth ..	3·5	- 0·8	28	•	•	•	•	•	•
a Rhayader	757	60	22nd	30	21st	53·1	36·4	44·5	—	5	2·95	75	—	Rhayader ..	3·4	—	28	4	22	•	•	•	•
a St. Ann's Head	149	51	21, 23	37	21st	49·4	41·3	45·2	+ 2·5	5	1·42	36	+ 22	St. Ann's Head	2·5	- 2·2	21	•	•	•	•	•	•
p Cardiff	202	61	22nd	37	21st	55·0	40·4	47·5	+ 5·5	5	0·99	25	+ 8	Cardiff	3·9	—	32	0	·31	45·9	+3·6	45·1	+1·5
b, ENGLAND, S.W.																							
a Bath	66	66	22nd	33	21, 22	58·4	38·1	48·0	+ 5·6	4	0·38	10	- 3	Bath	4·3	- 0·1	35	—	—	46·2	+3·2	45·7	+1·8
a Shaftesbury	722	64	22nd	37	26th	54·0	40·1	46·8	+ 5·8	4	0·39	10	- 4	Shaftesbury ..	•	•	•	•	•	47·2	—	45·5	—
a Arlington	613	63	22nd	34	22nd	54·0	38·5	46·0	+ 4·7	5	1·17	30	+ 8										
a Newquay	190	56	21st	36	22nd	53·3	40·7	46·8	+ 2·7	6	0·69	18	+ 4	Newquay ..	3·7	- 1·1	30	—	—	48·2	—	47·6	—
a Cullompton	202	66	22nd	31	22nd	56·9	36·4	46·4	+ 3·7	5	0·65	17	+ 2	Cullompton ..	3·7	- 0·6	31	3	27	47·1	•	•	•
a Portland Bill	19	54	22nd	42	21st	51·4	43·7	47·4	+ 4·2	4	0·44	11	0	Weymouth ..	4·2	—	34	•	•	•	•	•	•
p Plymouth	116	59	21st	36	22nd	53·9	42·0	47·8	+ 3·8	5	0·49	12	- 4	Plymouth ..	3·4	- 1·4	28	0	31	47·7	+2·9	47·4	—
a Falmouth	167	55	23rd	38	22nd	53·4	41·1	47·1	+ 2·9	5	1·02	26	+ 7	Falmouth ..	3·3	- 1·6	27	3	28	49·6	—	48·9	—
9. IRELAND. N.																							
a West .. { *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	•	•	•	•
a Malin Head	208	52	21, 22	33	27th	50·3	39·7	44·8	+ 3·0	4	0·59	15	+ 2	Malin Head ..	3·5	—	29	•	•	•	•	•	•
a Blacksod Point ..	37	51	21–23	35	26, 27	49·3	40·6	44·8	+ 1·6	5	2·17	55	+ 33	Markree Castle	3·1	- 0·8	25	4	27	45·3	+1·9	44·2	-0·1
p Markree Castle ..	122	56	22nd	33	26, 27	52·6	37·4	44·8	+ 3·1	5	1·10	28	+ 10										
b, East .. { *p* Armagh	196	55	22nd	33	27th	51·1	37·7	44·2	+ 2·6	5	1·02	26	+ 13	Armagh	3·6	- 0·2	30	1	28	44·8	+2·5	44·3	+0·8
a Donaghadee	39	51	23, 26	34	27th	48·7	36·4	42·4	+ 0·4	5	1·02	26	+ 14										
10. IRELAND, S.																							
p Dublin, City	47	57	23rd	37	22, 27	51·9	40·1	45·8	+ 2·2	5	0·57	15	+ 4	Trinity Coll. ..	2·6	—	21	5	26	46·1	+ 2·6	46·0	+1·4
a Birr Castle	175	55	21st	33	22, 23	51·1	35·3	43·0	+ 1·1	5	0·91	23	+ 10	Phœnix Park ..	3·4	- 1·0	28	7	22	•	•	•	•
a Kilkenny	195	57	23rd	33	27th	51·7	37·3	44·3	+ 1·9	6	1·40	36	+ 23	Dublin City ..	•	•	•	0	31	•	•	•	•
a Waterford	137	56	23rd	35	27th	50·1	40·3	45·1	+ 1·5	6	1·98	50	+ 35	Birr Castle ..	2·2	- 1·6	18	6	28	•	•	•	•
p Seskin, Carrick-on-Suir	535	55	23rd	34	22nd	49·4	37·7	43·4	—	6	1·93	49	—	Seskin	1·7	—	14	1	29	•	•	•	•
a Cahir	199	54	21st	30	27th	50·7	36 6	43·4	+ 0·7	5	1·25	32	—										
a Foynes	50	56	23rd	34	27th	52·7	38,1	45·2	+ 1·5	5	1·39	35	+ 19										
a Cahirciveen (Val. Obs.)	30	56	21st	37	27th	51·3	42·4	46·7	+ 1·9	6	2·09	53	+ 29	Cahirciveen ..	1·4	- 2·9	12	0	35	•	•	•	•
a Killarney	174	57	22nd	36	26th	54·0	40·8	47·2	+ 3·2	7	1·87	47	+ 22	Ballinacurra ..	1·5	- 3·3	12	•	•				
a Roche's Point	32	53	23rd	40	26, 27	50·1	43·3	46·6	+ 2 5	6	1·61	41	+ 25										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	21st	44	25, 27	51·4	45·0	48·1	+ 2·3	7	0·69	18	+ 3	Scilly	2·9	- 1·9	23	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	63	21, 22	38	21st	58·1	43·3	50·5	+ 5·3	3	0·43	11	- 4	St. Heliers ..	6·3	+ 1·4	52	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	65	22nd	44	21st	57·3	46·0	51·5	+ 6·0	3	0·35	9	- 7	Guernsey† ..	5·8	+ 0·8	47	0	34	50·1	+4·4	48·5	+2·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, March 27th, 1920.

DISTRICT AND STATION	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	20, 25, 26	22	66	76	4	0	160	16	26	13	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	37	76	39	16	130	10	26	12	21	26	12	15
Aberdeen	153	105	52	—	—	—	—	48	98	22	0	170	9	26	12	—	—	—	—
Edinburgh	485	39	31	—	—	23, 25–27	24	62	65	17	0	160	16	26	11	22	26	11	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	24 to 27	22	63	48	35	0	190	15	27	13	23	26	9	50
Paisley	188	81	15	—	—	27	4	52	76	36	0	170	13	27	18	24	27	0	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	—	25, 26	9	41	90	28	0	200	16	26	13	27	26	13	10
Spurn Head	66	40	‡	—	—	Out of adjustment.	—	—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	24 to 27	27	71	48	22	0	200	16	26	22	21	26	16	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	24 to 27	23	50	66	29	0	200	14	26	16	21	26	15	40
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	53	70	33	12	—	11	26	21	17	26	20	55
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instru	ment under adjust	ment.	—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	26	5	24 to 27	34	47	76	6	0	200	18	26	{14 / 17}	26	26	17	10
Richmond (Kew Obs.)..	82	65	22	—	—	26	2	58	67	41	0	180	11	26	15	23	26	15	22
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	25 to 27	9	63	71	25	0	160	16	26	9	—	—	—	—
Southport	80	62	48	—	—	24 to 27	26	64	68	10	0	170	16	26	11	23	26	10	55
Holyhead	60	40	‡	—	—	25 to 27	32	63	36	37	0	180	14	26	7	22	26	6	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	24 to 27	26	24 to 27	34	21	60	27	0	190	24	27	23	29	25	15	5
Plymouth	185	88	2	24, 27	4	24 to 27	40	46	45	33	0	—	20	24	24	33	25	16	5
Lyme Regis	566	61	‡	—	—	26	2	35	28	87	16	—	13	26	11	21	25	17	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	25 to 27	9	59	74	26	0	170	13	27	14	—	—	—	—
Quilty	100	40	‡	25	1	24 to 27	25	102	30	10	0	—	18	25	12	27	25	13	15
Cahirciveen (Val Obs.)	98	41	‡	—	—	25, 26	18	91	51	8	0	170	16	25	11	30	25	11	35
Weaver Pt.	160	30	‡	25	2	25 to 27	30	83	48	5	0	—	16	25	13	30	26	16	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	25 to 27	8	54	67	39	0	180	13	27	24	21	27	17	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1911.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWELFTH WEEK of 1920—March 21st to March 27th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	32	82·5	76·6	79·4	+ 2·2	26	+ 13	10	−18	5	0	1·19	30	+ 6	3·7	+0·5	30	1004
Eastern.																			
1. SCOTLAND, EAST ...	60	31	83·5	75·6	79·4	+ 2·1	33	+ 16	15	−16	4	0	1·00	25	+ 11	5·1	+1·2	42	1007
2. ENGLAND, N.E.	65	31	85·9	76·6	81·2	+ 3·1	48	+ 28	10	−15	4	0	0·69	18	+ 8	5·8	+1·4	47	1012
3. ENGLAND, EAST ...	68	30	87·6	76·9	82·1	+ 3·8	57	+ 31	8	−17	3	− 1	0·15	4	− 8	6·8	+2·6	56	1016
4. MIDLAND COUNTIES ...	67	31	86·9	76·5	81·6	+ 3·4	53	+ 27	10	−17	4	0	0·57	14	+ 3	5·0	+1·2	41	1014
5. ENGLAND, S.E.	67	31	86·7	77·8	82·1	+ 3·3	51	+ 25	4	−16	4	0	0·30	8	− 4	5·5	+1·1	45	1016
Western.																			
6. SCOTLAND, WEST ...	55	33	82·3	76 9	79·4	+ 1·3	24	+ 5	8	−14	5	+ 1	2·02	51	+ 31	2·1	−1·8	17	1009
7. ENGLAND, N.W.	59	30	83·9	77·3	80·5	+ 2·1	34	+ 14	6	−15	5	+ 1	2·03	52	+ 39	3·7	−0·3	31	1010
8. ENGLAND, S.W.	66	30	85·2	77·3	81·2	+ 2·2	42	+ 17	6	−11	5	+ 1	0·99	25	+ 8	3·5	−1·0	29	1013
9. IRELAND, NORTH ...	56	33	83·3	76·3	79·7	+ 1·1	31	+ 9	11	− 9	5	+ 1	1·14	29	+ 13	3·4	−0·4	27	1005
10. IRELAND, SOUTH ...	57	30	83·8	77·1	80·4	+ 1·0	34	+ 6	7	− 8	6	+ 2	1·43	36	+ 19	2·1	−2·1	18	1007
11. ENGLISH CHANNEL ...	65	38	86·1	80·1	83·0	+ 2·5	56	+ 26	0	− 5	4	0	0·49	12	− 3	5·0	+0·1	41	1015

THE SEASON (Spring).—Aggregates, &c., for the Period of 4 Weeks, February 29th to March 27th, 1920.

0. SCOTLAND, NORTH ...	57	25	81·4	75·3	78·2	+ 1·4	68	+ 32	80	− 48	22	+ 2	6·17	156	+ 53	2·5	−0·3	22	1006
Eastern.																			
1. SCOTLAND, EAST ...	61	22	82·0	74·9	78·3	+ 1·5	83	+ 36	89	− 55	17	0	2·67	67	+ 10	3·8	+0·5	33	1007
2. ENGLAND, N.E.	65	24	83·3	75·6	79·4	+ 1·8	123	+ 58	69	− 44	15	− 1	2·17	56	+ 13	3·8	+0·1	33	1012
3. ENGLAND, EAST ...	68	24	84·3	75·3	79·7	+ 1·9	146	+ 65	74	− 43	14	− 1	1·10	28	− 13	4·4	+0·8	38	1015
4. MIDLAND COUNTIES ...	67	20	83·9	75·4	79·6	+ 1·9	136	+ 53	72	− 49	16	+ 1	1·97	50	+ 6	3·8	+0·6	33	1015
5. ENGLAND, S.E.	67	23	84·2	76·2	80·1	+ 1·7	141	+ 56	55	− 38	15	0	1·35	34	− 15	4·3	+0·7	38	1016
Western.																			
6. SCOTLAND, WEST ...	56	22	81·8	76·1	78·8	+ 1·1	79	+ 24	57	− 45	21	+ 4	4·64	118	+ 34	2·5	−0·7	22	1010
7. ENGLAND, N.W.	62	22	82·6	76·4	79·4	+ 1·5	101	+ 38	50	− 44	17	+ 1	3·79	97	+ 38	3·4	+0·1	30	1013
8. ENGLAND, S.W.	66	22	83·3	76·3	79·7	+ 1·1	118	+ 33	53	− 24	19	+ 3	2·93	75	+ 3	3·8	+0·2	33	1015
9. IRELAND, NORTH ...	60	23	82·6	75·9	79·2	+ 0·8	102	+ 28	63	− 23	21	+ 2	3·53	89	+ 21	2·8	−0·3	25	1009
10. IRELAND, SOUTH ...	61	28	83·2	76·5	79·7	+ 0·6	115	+ 16	50	− 16	20	+ 4	3·80	96	+ 24	3·1	−0·5	27	1013
11. ENGLISH CHANNEL ...	65	33	84·3	78·9	81·5	+ 1·4	160	+ 50	7	− 21	17	0	1·69	42	− 19	4·5	+0·1	39	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 12 Weeks, January 4th to March 27th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·4	74·7	77·6	+ 1·1	130	+ 41	294	−119	66	+ 5	22·94	583	+229	1·6	−0·2	18	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·7	74·3	77·5	+ 1·3	149	+ 46	350	−128	53	+ 4	7·84	198	+27	2·8	+0·4	30	1008
2. ENGLAND, N.E.	65	24	81·9	75·1	78·5	+ 1·6	266	+131	254	−132	46	0	5·67	145	+25	2·9	+0·4	30	1013
3. ENGLAND, EAST ...	68	20	82·7	75·1	78·9	+ 2·0	318	+161	261	−149	41	− 5	3·78	97	−23	3·1	+0·5	31	1017
4. MIDLAND COUNTIES ...	67	20	82·5	75.2	78·9	+ 2·0	304	+136	252	−171	49	+ 3	6·67	169	+31	2·6	+0·3	27	1016
5. ENGLAND, S.E.	67	17	83·0	76·2	79·6	+ 2·0	353	+168	163	−162	47	+ 2	5·08	130	−20	3·0	+0·4	30	1018
Western.																			
6. SCOTLAND, WEST ...	56	22	81·1	75·6	78·4	+ 1·1	191	+ 60	222	−110	65	+10	14·94	380	+92	1·9	−0·2	20	1011
7. ENGLAND, N.W.	62	22	82·0	76·2	79·1	+ 1·6	265	+122	177	−140	52	+ 3	10·39	264	+73	2·4	+0·1	25	1014
8. ENGLAND, S.W.	66	17	82·7	76·7	79·7	+ 1·5	322	+111	131	−125	55	+ 5	9·56	242	+13	2·7	+0·1	27	1017
9. IRELAND, NORTH ...	60	23	82·3	75·9	79·1	+ 1·1	295	+113	193	− 86	66	+ 8	10·97	278	+57	2·2	0·0	23	1010
10. IRELAND, SOUTH ...	61	22	83·0	76·8	79·9	+ 1·1	348	+ 89	126	− 92	63	+10	11·55	292	+48	2·4	−0·1	24	1014
11. ENGLISH CHANNEL ...	65	29	83·4	79·0	81·2	+ 1·3	430	+127	20	− 78	47	− 8	6·00	150	−45	3·3	+0·2	33	1019
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: April 6th, 1920.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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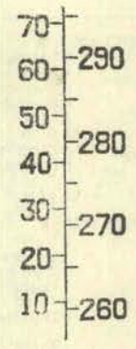
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 13.

THIRTEENTH WEEK,
SUNDAY, MARCH 28TH TO SATURDAY, APRIL 3RD, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week varied greatly in different parts of the British Islands. Over the southern half of England the first few days were mostly fine and warm, while later it became dull and cold. Over Scotland and the northern half of England it was dull throughout, and in the south and west of Ireland it was bright and sunny almost every day. Showers were frequent, especially over the northern districts, where rain fell on six or seven days, accompanied in places by thunder, lightning and hail. The highest temperatures occurred, as a rule, on Tuesday, March 30th, when the thermometer rose to about 293 a at some places in England E., England S.E. and England S.W.: subsequently there was a very marked fall of temperature, Thursday, April 1st being 12 a or 13 a colder in most parts of England. For the week as a whole the mean temperature was above the normal everywhere, the divergence being greatest, about 3 a, over England, and least, 0·5 a or less, over Ireland. Slight frost was experienced in one or two districts, the lowest readings being at Tunbridge Wells on April 2nd, 271 a in the screen and 269 a on the grass. Rainfall exceeded the normal except over Ireland and in Scotland N. and Scotland W. Heavy individual falls were not numerous, but on March 30th several stations in Scotland E. had about 18mm. Bright sunshine records showed remarkable diversity; at some places, particularly in Scotland, the daily mean was 0·5 hr. or less, while at several stations in Ireland it was nearly 6 hr. per day and at Cahirciveen (Valencia Obs.) 7·3 hr. per day. Solar and lunar halos were frequently observed, especially at stations in central and southern England.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	7·5	6	6·4	13	4·6	11	4·4	5	6·6	5	4·1	4	3·4	6	3·8
North	9	3·5	15	4·9	5	1·6	2	0·5	17	6·2	23	5·6	18	4·9	17	4·4
West	6	3·7	2	4·1	9	1·8	6	1·7	5	2·9	17	4·2	9	3·8	10	2·4
East	20	6·7	16	2·9	12	3·9	6	2·7	17	4·4	8	1·5	14	2·4	8	1·8
Calm	1	—	6	—	6	—	12	—	5	—	0	—	4	—	4	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Very heavy	Very heavy	Heavy	Very heavy	Modorate	Moderate	Heavy	Heavy	Moderate	Light	Heavy
	Sunshine ...	Moderate	Very scanty	Very scanty	Scanty	Very scanty	Scanty	Very scanty	Very scanty	Very scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 5 weeks from Feb. 29th, 1920.	Warmth ...	3, 2, 0	2, 2, 1	4, 0, 1	4, 1, 0	4, 1, 0	4, 1, 0	4, 1, 0	4, 1, 0	4, 0, 1	3, 1, 1	2, 2, 1	4, 1, 0
	Rainfall ...	3, 2, 0	3, 1, 1	3, 1, 1	1, 3, 1	3, 2, 0	0, 5, 0	2, 3, 0	3, 2, 0	3, 2, 0	2, 3, 0	2, 1, 2	2, 2, 1
	Sunshine ...	0, 4, 1	2, 2, 1	1, 2, 2	1, 3, 1	2, 2, 1	2, 2, 1	0, 2, 3	1, 3, 1	1, 3, 1	1, 2, 2	1, 2, 2	0, 3, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28096—19) Wt. 24—561/P 25 625 4/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft. Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands	a Lerwick	54	50	2nd	37	29th	46·6	40·0	43·2	+ 3·9	3	1·18	30	+ 15								
	p Deerness, Orkney	165	48	1st	37	28th	46·0	40·6	43·2	—	7	1·01	26	+ 12	Deerness	1·8	- 2·4	14	•	•	•	•	•
	a Stornoway	51	50	29, 30, 1	33	30th	48·6	37·6	42·9	+ 2·1	3	0·20	5	- 15	Stornoway	5·7	+ 1·2	44	•	•	•	•	•
	a Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	•	•	•	•	•
b, Mainland	a Wick	81	48	28th	34	29, 30	45·3	39·1	42·1	+ 1·8	7	1·63	41	+ 29								
	a Strathpeffer	125	55	31st	33	29th	49·0	39·0	43·9	+ 3·1	4	0·52	13	0								
	p Glencarron	500	54	30th	34	28, 29	49·0	38·0	43·3	+ 3·1	3	0·07	2	- 36								
	a Fort Augustus	68	—	—	—	—	—	—	—	—	—	—	—	—								
	p Fort William	171	54	30th	34	28th	49·9	39·0	44·3	+ 2·4	5	0·39	10	- 20								
1. SCOTLAND, E.																						
	a Nairn	82	56	31st	32	29th	48·0	38·0	42·9	+ 2·3	7	0·91	23	+ 13	Nairn	1·7	—	13	•	•	•	•	•
	p Gordon Castle	101	50	30th	33	28th	47·6	39·1	43·2	+ 2·1	7	1·27	32	+ 20	Gordon Castle	1·4	—	11	•	•	•	•	•
	a Aberdeen	46	50	28th	37	28, 29	45·6	39·9	42·7	+ 1·8	6	0·95	24	+ 11	Aberdeen	0·6	- 3·7	4	0	33	•	41·7	+1·0
	a Balmoral	930	46	28, 30	30	29th	43·3	36·3	39·7	+ 2·5	6	1·68	43	+ 27	Balmoral	•	•	•	1	28	•	•	•
	p Crieff	432	48	3rd	36	29th	44·9	38·6	41·7	+ 0·4	7	0·84	21	+ 5	Crathes	0·3	- 3·8	2	1	30	41·7	+1·6	40·9
	a Dundee	244	49	28th	35	29th	46·4	38·7	42·4	+ 1·5	6	0·86	22	+ 11	Dundee	0·9	—	7	0	31	42·7	•	•
	a Leith	30	53	31st	37	28th	46·0	40·3	43·1	+ 0·8	6	1·42	36	+ 27	Leith	•	•	•	0	38	•	•	•
	p Edinburgh	441	50	31st	38	29, 1	45·0	39·6	42·2	+ 1·4	6	1·41	36	+ 27	Edinburgh	0·9	- 3·1	7	0	34	•	•	•
	a West Linton	789	53	31st	36	29th	48·0	38·4	42·1	+ 4·0	7	1·83	46	—	West Linton	0·3	—	2	0	32	•	•	•
	p Marchmont	498	50	28th	33	28th	45·4	36·7	40·9	+ 0·8	6	1·44	37	+ 23	Marchmont	0·6	- 3·3	5	•	•	•	•	•
6. a, SCOTLAND, W.																						
	a Ford (Argyll)	149	54	30, 3	35	3rd	51·1	40·1	45·4	—	5	0·79	20	—	Ford (Argyll)	•	•	•	1	28	43·7	—	42·3
	p Glasgow Observatory	180	49	31st	40	29, 1	46·7	41·6	44·1	+ 2·3	5	0·69	18	+ 3	Glasgow	0·6	- 2·9	4	0	35	•	•	•
	p Rothesay	200	48	3rd	37	28th	46·9	40·1	43·4	+ 1·1	6	0·96	25	+ 4	Rothesay	0·9	—	7	0	36	43·4	—	44·0
	a Kilmarnock	90	54	30th	40	28, 29	49·9	41·9	45·8	+ 4·6	4	0·78	20	+ 4	Kilmarnock	0·7	—	6	•	•	44·1	—	43·6
	a Colmonell	170	54	30th	40	29, 3	49·7	41·9	45·7	+ 4·0	5	0·58	15	- 4	Colmonell	•	•	•	0	37	•	•	•
	p Cally, Gatehouse	120	55	30th	39	3rd	49·4	41·6	45·4	+ 3·9	7	0·72	18	- 4	Dumfries	0·6	—	4	0	33	44·2	+2·4	43·2
	p Dumfries	160	53	30th	38	29th	48·4	41·0	44·6	+ 2·6	7	0·80	20	+ 4	Eskdalemuir	0·2	—	2	0	31	•	•	•
	a Eskdalemuir	794	51	31st	33	28th	45·3	36·4	40·7	—	7	1·47	37	—									
b, I. OF MAN	p Douglas	377	56	30th	39	2nd	49·6	41·9	45·6	+ 3·2	6	0·81	21	+ 4	Douglas	1·8	- 3·3	14	0	36	•	•	•
2. ENGLAND, N.E																						
	a Alnwick Castle	210	56	28th	39	2, 3	48·9	40·3	43·5	+ 2·3	6	1·07	27	+ 15								
	a Tynemouth	118	55	28th	37	28th	45·9	39·7	42·7	+ 1·2	6	1·04	26	+ 17	Cockle Park	0·6	- 3·8	4	0	34	43·0	+2·9	42·5
	p Durham	336	55	31st	37	2nd	48·3	40·3	44·2	+ 3·1	6	1·29	33	+ 23	Durham	0·7	- 3·3	5	0	36	•	•	•
a North	p Rounton	249	57	31st	38	2nd	49·1	40·9	44·9	+ 3·9	7	1·07	27	+ 17	Rounton	•	•	•	1	30	44·2	•	•
	a West Witton	605	53	30th	37	2, 3	48·0	40·3	44·0	—	7	1·34	34	—	West Witton	•	•	•	0	57	43·3	—	41·4
	p Scarborough	100	57	28th	38	2nd	50·0	42·3	46·0	+ 3·6	5	1·13	29	+ 19	Scarborough†	0·5	- 3·9	4	•	•	•	45·2	—
	p York	56	59	31st	38	2nd	53·9	42·4	48·0	+ 5·2	6	0·76	19	+ 9	York	0·7	- 3·2	5	—	—	45·2	+3·1	43·7
b, South	a Spurn Head	26	56	28th	35	28th	49·6	39·9	44·6	+ 2·4	5	0·63	16	+ 9	Spurn Head	•	•	•	•	•	•	•	•
	a Lincoln	58	61	31st	40	2nd	55·1	44·3	49·5	+ 6·5	6	0·87	22	+ 13	Lincoln	•	•	•	0	38	46·9	+5·3	44·1
	a Fulbeck	180	61	30th	39	2nd	54·6	43·3	48·8	+ 5·9	7	0·91	23	+ 14	Fulbeck	1·9	—	15	•	•	—	—	—
															Skegness	—	—	—	•	•	•	•	•
3. ENGLAND, E.																						
	p Cromer	196	65	28th	35	2nd	55·7	40·9	48·1	+ 5·4	3	0·06	1	- 6	Cromer	4·4	- 0·5	35	•	•	•	•	•
	a Little Massingham	280	65	30th	36	2nd	56·4	41·7	48·8	+ 6·0	2	0·08	2	- 7	Lit. Massingham	3·7	- 0·8	29	•	•	•	•	•
	a Yarmouth	13	57	28th	38	3rd	51·0	42·3	46·5	+ 4·2	2	0·12	3	- 5	Yarmouth	6·0	—	47	0	32	48·6	+4·7	46·9
	a Norwich	98	65	28, 29	35	2nd	58·3	43·7	50·8	+ 7·6	2	0·15	4	- 5	Norwich	3·9	—	31	1	30	48·4	•	•
	a Geldeston	37	65	29th	31	2nd	57·0	41·9	49·2	+ 6·2	3	0·30	8	0	Geldeston	4·6	- 0·2	36	•	•	•	•	•
	p Cambridge	41	68	30th	41	31st	58·0	45·0	51·3	+ 7·8	5	0·96	24	+ 17	Cambridge	2·7	- 2·0	21	0	36	49·0	+5·2	46·6
	a Clacton-on-Sea	54	55	28-30	37	2nd	51·9	45·0	48·4	+ 5·7	5	0·79	20	+ 13	Clacton	4·3	- 0·8	34	0	31	49·2	+5·1	47·6
	a Rothamsted	426	63	30th	36	3rd	53·7	42·6	48·0	+ 5·2	6	1·30	33	+ 24	Rothamsted	2·2	- 2·3	17	3	29	46·6	•	•
	p Tottenham	61	65	30th	42	31, 2, 3	57·1	45·9	51·3	—	2	0·77	20	—	Tottenham	2·0	—	16	0	38	•	46·7	+2·3
															S'thend-on-Sea	4·1	—	32	0	34	50·2	+7·1	—
4. MIDLAND COUNTIES.																						
a North	a Harrogate	479	55	31st	35	2nd	50·0	40·9	45·3	+ 4·0	7	0·91	23	+ 12	Harrogate	0·6	- 3·9	4	0	35	43·3	+2·6	42·7
	p Sheffield	429	59	29th	38	2nd	50·1	43·1	46·5	—	7	1·17	30	—	Sheffield	1·3	- 2·7	10	0	37	45·2	+4·1	42·9
	p Buxton	987	61	30th	35	2nd	51·0	41·7	46·2	—	6	0·90	23	+ 4	Buxton	1·8	—	14	0	34	44·5	+4·0	42·0
b, East	a Worksop	58	62	31st	39	2nd	55·0	42·9	48·8	+ 5·8	6	0·92	23	+ 14	Worksop	1·4	- 2·5	11	0	35	46·7	—	44·3
	a Nottingham	82	60	31st	40	28, 2, 3	54·1	43·0	48·4	+ 5·5	6	0·83	21	+ 12	Nottingham	1·6	- 2·6	13	0	36	46·8	+5·1	43·9
	p Birmingham, Edgbsn.	535	62	30th	39	2, 3	52·3	43·9	48·0	+ 5·3	6	0·76	19	+ 9	Birmingham	1·5	- 1·8	12	2	29	45·4	+3·7	44·5
	a Raunds	203	65	30th	37	2nd	55·4	43·6	49·3	+ 6·3	6	1·22	31	+ 23	Raunds	2·2	—	17	0	35	47·1	—	44·1
	p Oxford	208	64	30th	39	3rd	54·4	45·6	49·9	+ 6·2	5	0·55	14	+ 5	Oxford	2·2	- 2·2	17	0	33	•	•	•
															Malvern	1·6	—	13	0	33	47·4	—	45·3
c, West	a Cheadle (N. Staffs.)	646	63	30th	38	2, 3	52·7	42·6	47·5	+ 5·8	6	0·98	25	+ 13	Cheadle	•	•	•	0	35	•	•	•
	p Tenbury	313	66	30th	41	2nd	53·6	43·7	48·5	+ 5·4	7	1·05	27	+ 19	Tenbury	•	•	•	1	30	47·4	—	—
	a Hereford	291	62	30th	35	3rd	52·0	42·7	47·2	+ 3·6	7	1·22	31	+ 21	Ross-on-Wye	1·5	—	12	0	31	—	—	—
	a Clifton	226	65	30th	39	3rd	52·1	44·4	48·1	+ 3·7	7	1·19	30	+ 15	Clifton	2·0	—	16	0	37	•	•	•
5. ENGLAND, S.E																						
	a Marlborough	424	65	30th	39	1, 3	52·6	42·7	47·5	+ 5·2	7	0·98	25	+ 14	Worthing	3·4	- 2·0	27	1	30	49·8	+5·2	47·3
	p Salisbury (Wilton)	180	64	30th	39	1st	55·4	43·1	49·1	+ 5·9	5	0·86	22	+ 11	Marlborough	2·6	- 1·6	20	0	35	47·9	—	46·5
	a Wisley, Surrey	150	67	30th	40	31st	56·0	44·7	50·2	+ 6·7	5	0·91	23	+ 15	Salisbury	•	•	•	0	36	48·8	•	•
	a Tunbridge Wells	354	64	30th	39	2nd	53·7	42·4	49·3	+ 6·0	4	0·30	8	- 2	Wisley	2·5	- 2·1	20	2	27	48·6	+5·5	46·3
	a Margate	51	64	29th	39	3rd	57·0	45·1	50·9	+ 6·9	2	0·28	7	0	Tunbridge Wells	3·4	- 1·5	27	4	24	48·3	+6·2	46·5
															Margate	4·0	- 0·9	32	0	33	50·1	+6·3	47·9
	a Dungeness	21	58	29th	37	2, 3	53·0	43·0	47·9	+ 4·7	6	0·23	6	- 1	Folkestone	3·8	—	30	•	•	•	•	45·7
	p St. Leonards	178	60	29, 30	39	2nd	54·4	44·9	49·5	+ 5·6	6	0·24	6	- 3	St. Leonards	4·1	- 1·1	33	0	34	50·3	—	46·9
	p Southampton	64	63	30th	40	1, 3	55·0	45·0	49·9	+ 4·7	5	0·92	23	+ 13	Southampton	2·6	- 2·4	21	0	31	•	•	•
	a Ventnor	59	58	30th	41	1, 2	54·3	44·7	49·4	+ 4·1	6	0·45	12	+ 3	Ventnor	3·6	- 1·9	28	•	•	•	•	•
LONDON,	a Richmond (Kew Obs.)	18	66	30th	40	31, 3	56·8	44·8	50·6	+ 6·6	4	0·41	10	+ 3	Richmond	2·6	- 1·8	20	2	28	48·6	+5·4	46·0
	a Westminster	27	65	30th	41	3rd	57·5	46·6	51·9	+ 7·1	4	0·47	12	+ 5	Westminster	2·7	- 0·6	21	0	34	•	•	•
	ag Greenwich	149	65	28, 30	34	2nd	58·9	43·3	50·9	+ 6·3	3	0·53	13	+ 4	Greenwich	2·9	- 0·9	23	0	31	•	•	•
	a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead	—	—	—	—	—	•	•	•
	ag Camden Square	110	68	30th	39	3rd	59·0	45·1	51·8	+ 7·0	5	0·56	14	+ 6	Camden Square	—	—	—	0	36	•	•	•
7. a, ENGLAND, N.W.																						
	p Aspatria (Mealsgate)	487	55	31st	38	29, 2, 3	49·9	40·4	45·0	+ 3·4	7	1·24	32	+ 15	Aspatria	0·6	- 3·9	5	0	35	43·8	+1·1	43·3
	p Newton Rigg	559	58	30th	37	28, 1	50·9	40·1	45·3	+ 4·6	6	0·63	16	0	Newton Rigg	1·1	- 3·2	9	0	36	—	—	—
	p Stonyhurst	375	61	30th	38	2nd	52·7	43·4	47·9	+ 6·3	7	0·78	20	- 1	Stonyhurst	1·0	- 3·2	8	0	35	•	•	•
	p Blackpool	66	61	30th	40	2nd	51·6	44·1	47·7	+ 5·3	7	1·51	38	+ 24	Blackpool	0·9	- 4·1	7	0	39	46·0	—	44·9
	a Southport	37	61	30th	40	2nd	52·0	44·3	48·0	+ 5·3	7	1·07	27	+ 14	Southport	0·9	- 3·9	7	0	39	46·7	+4·1	45·2
															Hoylake	0·7	- 3·9	6	•	•	•	•	•
	a Liverpool (Bidston)	188	60	30th	38	28th	50·9	42·4	46·5	+ 3·3	7	1·35	34	+ 22	Liverpool	0·7	—	5	0	38	•	•	•
	a Hawarden Bridge	22	—	—	—	—	—	—	—	—	—	—	—	—	Manchester (City)	0·9	- 2·5	7	0	37	46·3	+5·0	45·1
	p Manchester (Whit. Pk.)	125	64	30th	39	2nd	54·9	45·3	50·0	+ 6·4	5	0·95	24	+ 10	Whitworth Park	0·8	- 2·4	6	•	•	•	•	•
b NORTH WALES.																						
	p Llandudno	16	53	28, 31	41	2nd	49·7	43·4	46·5	+ 2·5	7	1·69	43	+ 30	Llandudno	0·8	- 4·1	6	•	•	•	•	•
	a Holyhead	15	55	30th	41	1st	48·4	42·3	45·3	+ 1·7	6	1·42	36	+ 21	Holyhead	0·7	—	5	0	38	•	•	•
	a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—									
	a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—									

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	m/m.		hr	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																						
a Aberystwyth	59	63	30th	39	3rd	51·1	43·7	47·3	—	7	2·06	52	—	Aberystwyth	1·1	- 3·6	8	•	•	•	•	•	•
a Rhayader	767	63	30th	36	3rd	50·0	42·1	45·9	—	7	1·98	50	—	Rhayader	0·7	—	5	0	31	•	•	•	•
a St. Ann's Head	149	57	30th	39	1st	48·9	42·4	45·6	+ 1·6	7	1·26	32	+ 20	St. Ann's Head	1·3	- 3·9	10	•	•	•	•	•	•
p Cardiff	202	64	30th	39	1st	52·0	43·4	47·6	+ 4·1	7	1·10	28	+ 12	Cardiff	1·8	—	14	0	38	48·0	+4·6	46·0	+2·0
b. ENGLAND S.W.																						
a Bath	66	68	30th	40	1st	54·7	45·0	49·7	+ 5·8	6	0·98	25	+ 13	Bath	2·0	- 2·8	16	—	—	48·2	+4·1	47·1	+2·5
a Shaftesbury	722	61	30th	36	1st	51·6	41·3	46·0	+ 3·5	6	0·69	18	+ 6	Shaftesbury	•	•	•	•	•	47·3	—	46·4	—
a Arlington	613	62	30th	33	1st	51·1	41·5	46·2	+ 3·5	7	2·01	51	+ 32										
a Newquay	190	56	30th	37	1st	50·5	43·9	47·1	+ 1·8	7	1·41	36	+ 24	Newquay	2·0	- 3·2	16	—	—	48·6	—	48·2	—
a Cullompton	202	63	30th	35	1st	53·9	43·9	48·8	+ 4·6	6	1·68	43	+ 29	Cullompton	2·0	- 2·7	16	0	32	48·3	•	•	•
a Portland Bill	19	53	29-31	40	2nd	51·3	43·6	47·3	+ 2·8	6	1·02	26	+ 16	Weymouth	3·0	—	24	•	•	•	•	•	•
p Plymouth	116	61	30th	36	1st	52·9	44·7	48·7	+ 3·3	5	1·71	43	+ 29	Plymouth	2·2	- 3·0	17	0	34	48·8	+3·0	48·0	—
a Falmouth	167	61	30th	36	1st	52·1	42·4	47·1	+ 1·7	7	1·69	43	+ 28	Falmouth	2·3	- 3·0	18	0	31	49·6	—	49·6	—
9. IRELAND, N.																						
a West — a Mallarany	120	55	3rd	33	30th	51·9	37·6	44·5	—	2	0·52	13	—	Mallarany	5·9	—	46	1	30	—	—	•	•
a West — a Malin Head	208	49	28-30, 3	35	28th	48·0	40·0	43·9	+ 1·2	4	0·37	9	- 6	Malin Head	5·8	—	46	•	•	•	•	•	•
a West — a Blacksod Point	37	52	31st	35	28-30	50·4	36·6	43·3	- 0·8	5	0·37	9	- 15	Markree Castle	5·4	+ 1·3	43	4	28	46·0	+1·6	45·1	-0·6
a West — p Markree Castle	122	57	30th	30	29th	52·6	36·4	44·3	+ 1·4	4	0·40	10	- 10										
b. East — p Armagh	196	57	30th	37	29th	50·3	39·3	44·6	+ 2·0	5	0·50	13	- 2	Armagh	2·9	- 1·2	23	3	29	44·7	+1·5	44·8	+1·0
b. East — a Donaghadee	39	51	28th	36	28th	47·6	40·6	44·0	+ 1·0	6	0·42	11	- 4										
10. IRELAND, S.																						
p Dublin, City	47	53	28, 30	41	28th	49·6	42·3	45·8	+ 0·9	6	0·45	11	- 2	Trinity Coll.	1·2	—	9	0	34	46·4	+ 2·0	46·5	+1·5
a Birr Castle	175	56	30th	35	29, 1	51·0	36·7	43·6	+ 0·4	4	0·28	7	- 8	Phœnix Park	1·2	- 3·6	9	3	25	•	•	•	•
a Kilkenny	195	55	30th	37	31st	50·6	39·4	44·8	+ 1·1	4	0·54	14	- 1	Dublin City	•	•	•	0	38	•	•	•	•
a Waterford	137	55	31st	37	1st	52·3	39·7	45·8	+ 1·0	4	0·44	11	- 6	Birr Castle	4·1	- 0·2	33	2	30	•	•	•	•
p Seskin, Carrick-on-Suir	535	57	30th	34	1st	50·4	38·4	44·2	—	4	0·35	9	—	Seskin	2·3	—	18	1	29	•	•	•	•
a Cahir	198	57	30th	31	1st	52·4	38·0	45·0	+ 1·1	3	0·13	3	—										
a Foynes	50	54	30th	35	1st	52·0	38.0	44·8	- 0·1	4	0·19	5	- 13										
a Cahirciveen (Val. Obs.)	30	52	28, 3	34	29, 30	50·4	38·1	44·1	- 1·7	3	0·59	15	- 12	Cahirciveen	7·3	+ 2·6	58	1	30	•	•	•	•
a Killarney	174	59	29th	34	31st	55·4	38·0	46·4	+ 1·3	4	0·26	7	- 20	Ballinacurra	5·8	+ 0·6	46	•	•	•	•	•	•
a Roche's Point	32	55	29, 30	39	29, 2	52·6	41·1	46·7	+ 1·5	6	0·38	10	- 9										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's	131	52	2nd	43	1, 2	50·7	44·4	47·5	+ 0·5	6	0·72	18	+ 6	Scilly	2·9	- 2·6	23	•	•	•	•	•	•
a Jersey, St. Aubins	25	60	28th	39	31st	54·6	44·6	49·5	+ 2·8	6	1·05	27	+ 15	St. Heliers	3·8	- 2·0	30	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	59	28th	41	1st	54·1	45·9	49·9	+ 2·9	6	1·09	28	+ 15	Guernsey†	4·4	- 1·4	35	0	35	50·7	+4·0	49·5	+2·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 3rd, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)**	188	16	5	—	—	27, 28, 30 to 2	48	59	52	9	0	130	17	31	18	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	20	114	34	0	150	9	28	9	20	28	8	55
Aberdeen	153	105	52	—	—	—	—	57	101	10	0	170	10	28	9	—	—	—	—
Edinburgh	485	39	31	28	2	28, 2	7	56	63	40	0	180	18	28	3	30	28	4	5
6. SCOTLAND, W. Eskdalemuir	825	50	22	28	1	28, 1, 2	19	91	44	13	0	180	18	28	7	24	28	7	0
Paisley	188	81	15	—	—	—	—	29	108	31	0	180	9	28	2	17	1	12	55
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	28	1	21	107	39	0	190	11	28	8	20	28	8	0
South Shields	72	61	12	—	—	28, 31	8	64	86	19	0	200	15	28	7	25	28	7	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	28	12	34	90	32	0	180	16	28	6	21	28	6	10
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	28	8	28	95	36	1	160	13	28	5	20	28	9	0
5. ENGLAND, S.E. Brighton	261	53	6	—	—	—	—	31	74	63	0	—	11	28	8	17	28	7	30
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	28	1	28	10	44	89	6	18	190	17	28	5	22	28	4	45
Richmond (Kew Obs.)	82	65	22	—	—	—	—	16	84	68	0	180	10	28	11	17	28	7	50
7. ENGLAND, N.W. Fleetwood (Cup Anr.)	109	44	—	—	—	28, 2	5	69	65	5	24	160	13	28	6	—	—	—	—
Southport	80	62	48	—	—	28	4	81	82	1	0	170	15	28	6	22	28	6	0
Holyhead	60	40	‡	—	—	28, 1, 2	28	78	42	20	0	170	16	28	4	25	28	4	40
8. ENGLAND, S.W. Pendennis Castle§	256	65	24	28	4	28	1	61	75	26	1	180	25	28	3	29	28	2	40
Plymouth	185	88	2	28	5	28, 31	3	19	99	42	0	—	19	28	3	25	28	2	45
Lyme Regis	556	61	‡	—	—	28	2	9	37	120	0	—	13	28	4	18	28	4	40
10. IRELAND, S. Kingstown (Cup Anr.)	49	27	—	—	—	1	6	76	65	21	0	10	13	1	21	—	—	—	—
Quilty	100	40	‡	—	—	2	2	81	73	12	0	—	11	2	17	16	28	12	55
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	56	91	21	0	280	10	28	14	16	28	13	40
Weaver Pt.	160	30	‡	—	—	—	—	99	67	2	0	—	10	30	8	14	2	14	15
11. ENGLAND CHANNEL Scilly	150	32	‡	—	—	28	2	84	45	37	0	180	14	28	1	25	28	1	25

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTEENTH WEEK of 1920—March 28th to April 3rd, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	°/₀	mb.
0. SCOTLAND, NORTH ...	55	33	81·9	76·8	79·3	+ 1·6	23	+ 5	9	−17	4	− 1	0·67	17	− 4	3·7	−0·2	29	1006
Eastern.																			
1. SCOTLAND, EAST ...	56	30	80·7	76·6	78·6	+ 0·9	11	− 11	10	−19	7	+ 3	1·29	33	+ 20	0·8	−3·2	6	1004
2. ENGLAND, N.E.	61	35	83·4	78·3	80·8	+ 2·2	30	+ 6	1	−21	6	+ 2	0·97	25	+ 15	0·9	−3·6	7	1001
3. ENGLAND, EAST ...	68	31	86·1	79·2	82·6	+ 3·5	50	+ 20	0	−23	3	0	0·50	13	+ 5	3·7	−1·0	29	1001
4. MIDLAND COUNTIES ...	66	35	84·8	79·3	81·9	+ 2·9	43	+ 11	0	−25	6	+ 3	0·96	24	+ 14	1·5	−2·7	12	1000
5. ENGLAND, S.E.	67	29	85·8	79·7	82·7	+ 3·0	52	+ 20	0	−17	5	+ 2	0·56	14	+ 5	3·2	−1·6	26	1001
Western.																			
6. SCOTLAND, WEST ...	56	35	82·4	78·2	80·2	+ 1·7	24	+ 1	2	−19	6	+ 2	0·77	20	0	1·2	−3·1	9	1003
7. ENGLAND, N.W.	64	37	83·7	78·9	81·2	+ 2·3	34	+ 10	0	−19	7	+ 3	1·17	30	+ 15	0·9	−3·6	7	1000
8. ENGLAND, S.W.	68	33	84·0	79·2	81·5	+ 1·8	37	+ 6	0	−15	6	+ 2	1·41	36	+ 21	1·7	−3·2	13	1000
9. IRELAND, NORTH ...	57	30	83·0	76·5	79·7	+ 0·5	30	+ 4	10	− 8	5	0	0·39	10	− 8	4·2	+0·1	33	1002
10. IRELAND, SOUTH ...	59	31	84·0	76·9	80·3	+ 0·2	35	+ 1	8	− 6	4	0	0·36	9	− 10	4·6	−0·1	36	1002
11. ENGLISH CHANNEL ...	60	39	84·7	80·2	82·4	+ 1·1	49	+ 12	0	− 4	6	+ 2	0·96	24	+ 12	3·7	−2·1	30	1001

THE SEASON (Spring).—Aggregates, &c., for the Period of 5 Weeks, February 29th to April 3rd, 1920.

0. SCOTLAND, NORTH ...	57	25	81·5	75·6	78·4	+ 1·5	91	+ 37	89	− 65	26	+ 1	6·84	173	+ 49	2·8	−0·2	24	1006
Eastern.																			
1. SCOTLAND, EAST ...	61	22	81·7	75·3	78·4	+ 1·5	94	+ 25	99	− 74	24	+ 3	3·96	100	+ 30	3·2	−0·3	27	1006
2. ENGLAND, N.E.	65	24	83·3	76·1	79·6	+ 1·8	153	+ 64	70	− 65	21	+ 1	3·14	81	+ 28	3·2	−0·6	27	1010
3. ENGLAND, EAST ...	68	24	84·7	76·1	80·3	+ 2·3	196	+ 85	74	− 66	17	− 1	1·60	41	− 8	4·2	+0·4	36	1012
4. MIDLAND COUNTIES ...	67	20	84·1	76·2	80·0	+ 2·0	179	+ 64	72	− 74	22	+ 4	2·93	74	+ 20	3·3	−0·1	28	1012
5. ENGLAND, S.E.	67	23	84·5	76·9	80·6	+ 2·0	192	+ 76	55	− 55	20	+ 2	1·91	48	− 10	4·1	+0·2	35	1013
Western.																			
6. SCOTLAND, WEST ...	56	22	81·8	76·5	79·1	+ 1·3	103	+ 25	59	− 64	27	+ 6	5·41	138	+ 34	2·3	−1·1	19	1008
7. ENGLAND, N.W.	64	22	82·8	76·9	79·8	+ 1·7	135	+ 48	50	− 63	24	+ 4	4·96	127	+ 53	2·9	−0·6	25	1010
8. ENGLAND, S.W.	68	22	83·4	76·9	80·1	+ 1·3	155	+ 39	53	− 39	25	+ 5	4·34	111	+ 24	3·4	−0·5	29	1012
9. IRELAND, NORTH ...	60	23	82·7	76·0	79·3	+ 0·7	132	+ 32	73	− 31	26	+ 2	3·92	99	+ 13	3·1	−0·2	27	1007
10. IRELAND, SOUTH ...	61	28	83·3	76·5	79·8	+ 0·5	150	+ 17	58	− 22	24	+ 4	4·16	105	+ 14	3·4	−0·4	29	1011
11. ENGLISH CHANNEL ...	65	33	84·3	79·2	81·7	+ 1·4	209	+ 62	7	− 25	23	+ 2	2·65	66	− 7	4·4	−0·2	37	1014

THE YEAR 1920.—Aggregates, &c., for the Period of 13 Weeks, January 4th to April 3rd, 1920.

0. SCOTLAND, NORTH ...	59	19	80·5	74·9	77·7	+ 1·1	153	+ 46	303	−136	70	+ 4	23·61	600	+225	1·8	−0·1	19	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·7	74·4	77·6	+ 1·3	160	+ 35	360	−147	60	+ 7	9·13	231	+47	2·6	+0·1	27	1007
2. ENGLAND, N.E.	65	24	82·0	75·3	78·7	+ 1·7	296	+137	255	−153	52	+ 2	6.64	170	+40	2·7	+0·1	28	1012
3. ENGLAND, EAST ...	68	20	83·0	75·4	79·2	+ 2·1	368	+181	261	−172	44	− 5	4·28	110	−18	3·1	+0·3	31	1016
4. MIDLAND COUNTIES ...	67	20	82·7	75.5	79·1	+ 2·0	347	+147	252	−196	55	+ 6	7·63	193	+45	2·5	+0·1	25	1015
5. ENGLAND, S.E.	67	17	83·2	76·5	79·8	+ 2·0	405	+188	163	−179	52	+ 4	5·64	144	−15	3·0	+0·2	30	1016
Western.																			
6. SCOTLAND, WEST ...	56	22	81·2	75·8	78·5	+ 1·1	215	+ 61	224	−129	71	+12	15·71	400	+92	1·9	−0·4	19	1010
7. ENGLAND, N.W.	64	22	82·1	76·4	79·3	+ 1·7	299	+132	177	−159	59	+ 6	11·56	294	+88	2·3	−0·1	24	1013
8. ENGLAND, S.W.	68	17	82·8	76·9	79·8	+ 1·5	359	+117	131	−140	61	+ 7	10·97	278	+34	2·6	−0·1	26	1016
9. IRELAND, NORTH ...	60	23	82·3	75·9	79·1	+ 1·0	325	+117	203	− 94	71	+ 8	11·36	288	+49	2·4	+0·1	24	1009
10. IRELAND, SOUTH ...	61	22	83·1	76·8	79·9	+ 1·0	383	+ 90	134	− 98	67	+10	11·91	301	+38	2·5	−0·2	26	1013
11. ENGLISH CHANNEL ...	65	29	83·5	79·0	81·3	+ 1·3	479	+139	20	− 82	53	− 6	6·96	174	−33	3·3	0·0	32	1018
	°F.	°F.	a.	a.	a.	a.	day-deg. F	day-deg. F.	day-deg. F	day-deg. F			inches	mm	mm	hr.	hr.	°/₀	mb

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: April 9th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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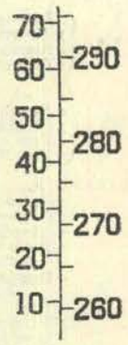
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 14.

FOURTEENTH WEEK, SUNDAY, APRIL 4TH TO SATURDAY, APRIL 10TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was persistently high over the Iceland region during the week and Atlantic disturbances passed directly across the British Isles, where the weather was very dull and showery. The depressions were not deep, and the winds, as a rule, were only light or moderate, seldom reaching the force of a strong breeze. In most of the English districts there was rain on six days out of the seven, and the percentage of sunshine was exceedingly small, while over Scotland and Ireland there was less rain and considerable sunshine. Thunderstorms occurred over the south Midlands on the 9th. Over England on one or two days the temperature was rather high, on the 10th it rose to 290a in most districts, but in some parts of Scotland and the north of England it failed to reach 283a all the week, and on the 10th (the day of the highest maximum over England) it was no higher than 277a. The total rainfall was largely in excess of the normal over England and also over the south of Ireland; in England E. and the Midland counties the excess was more than 20mm., and extensive floods were reported in the Nene and Welland Valleys; over Scotland and also over Ireland N. the total was less than the normal. In the Hebrides and the extreme north of Ireland (within the scope of the Icelandic "high") bright sunshine was abundant, but in many parts of England the daily mean was smaller than during any week since January 1st, the deficiency from the normal over England being 3½ to 4½ hr. per day. At Manchester (Whitworth Park) the total duration of bright sunshine, less than 10 minutes, was credited to Wednesday. At many stations the daily mean was less than 0·5 hr. Solar halos were observed in different parts of Great Britain on various days.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	2·6	12	3·8	—	—	15	2·9	7	4·7	—	—	5	4·8	—	—
North	14	3·4	5	1·8	—	—	6	3·1	19	3·9	—	—	16	3·7	—	—
West	17	4·0	9	3·2	—	—	19	2·4	14	2·9	—	—	10	3·4	—	—
East	6	2·0	10	2·6	—	—	1	3·8	13	6·0	—	—	12	3·8	—	—
Calm	4	—	8	—	—	—	6	—	1	—	—	—	4	—	—	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *see below*, Note (1).'		Districts of the British Isles.											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Light	Very heavy	Very heavy	Very heavy	Heavy	Moderate	Heavy	Heavy	Light	Heavy	Moderate
	Sunshine ...	Abundant	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty	Very scanty	Scanty	Very scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 6 weeks from Feb. 29th, 1920.	Warmth ...	3, 3, 0	2, 3, 1	4, 1, 1	4, 2, 0	4, 2, 0	5, 1, 0	4, 2, 0	4, 2, 0	4, 1, 1	3, 2, 1	2, 3, 1	5, 1, 0
	Rainfall ...	3, 3, 0	3, 1, 2	4, 1, 1	2, 3, 1	4, 2, 0	1, 5, 0	2, 4, 0	4, 2, 0	4, 2, 0	2, 3, 1	3, 1, 2	2, 3, 1
	Sunshine ...	0, 5, 1	2, 2, 2	1, 2, 3	1, 3, 2	2, 2, 2	2, 2, 2	0, 2, 4	1, 3, 2	1, 3, 2	1, 2, 3	1, 2, 3	0, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28186—19) Wt. 24—561/P 25 625 4/20 H. St G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands .. a Lerwick	54	47	4th	31	8th	44·0	34·6	39·1	- 1·3	5	0·95	24	+ 10
p Deerness, Orkney ..	165	49	6th	31	6th	44·9	34·7	39·6	—	6	0·48	12	- 1
a Stornoway	51	49	6th	33	8th	44·9	37·1	40·7	- 1·4	6	0·63	16	- 3
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—
b, Mainland. a Wick	81	51	6th	26	10th	44·6	35·3	39·7	- 1·9	4	0·48	12	0
a Strathpeffer	125	51	6th	27	9th	47·3	35·3	41·0	- 1·3	2	0·22	6	- 6
p Glencarron ..	500	47	4, 6	29	8th	44·1	34·7	39·2	- 2·7	5	0·94	24	- 13
a Fort Augustus	68	—	—	—	—	—	—	—	—	—	—	—	—
p Fort William	171	50	8, 9	26	9th	48·0	35·0	41·5	- 1·8	3	0·19	5	- 24
1. SCOTLAND, E.													
a Nairn	82	53	6th	28	9th	47·1	33·3	41·4	- 0·9	5	0·25	6	- 2
p Gordon Castle	101	53	6th	30	10th	46·6	35·6	40·8	- 1·9	4	0·10	3	- 6
a Aberdeen	46	52	6th	31	9th	47·4	37·3	42·1	- 0·2	3	0·07	2	- 8
a Balmoral	930	50	6th	23	8th	44·1	31·9	37·7	- 1·2	6	0·12	3	- 9
p Crieff	432	52	9th	29	8, 9	48·1	34·3	40·9	- 2·0	3	0·26	7	- 5
a Dundee	244	53	6th	27	8th	48·9	35·0	41·6	- 0·9	4	0·10	3	- 6
a Leith	30	52	9th	32	8, 9	48·7	37·9	43·0	- 0·9	4	0·22	6	- 1
p Edinburgh	441	48	6, 7	31	8th	45·3	36·7	40·8	- 1·6	4	0·18	5	- 2
a West Linton	789	47	9th	23	9th	44·6	33·6	38·8	- 0·9	5	0·28	7	—
p Marchmont	498	49	8, 9	28	8th	46·1	34·1	39·8	- 1·9	4	0·16	4	- 7
6. a, SCOTLAND, W.													
a Ford (Argyll)	149	53	6th	25	9th	49·1	34·0	41·2	—	4	0·35	9	—
p Glasgow Observatory	180	50	4th	31	8th	47·6	37·9	42·5	- 1·2	3	0·31	8	- 4
p Rothesay	200	52	4th	31	8th	47·7	36·7	41·9	- 2·2	5	0·24	6	- 11
a Kilmarnock	90	53	9th	28	8th	49·9	37·4	43·4	+ 0·4	3	0·31	8	- 4
a Colmonell	170	52	6th	28	8th	49·1	36·6	42·6	- 0·8	2	0·30	8	- 6
p Cally, Gatehouse ..	120	53	9th	26	8th	49·7	36·9	43·0	- 0·2	4	0·70	18	+ 1
p Dumfries	160	51	7th	28	8th	48·1	36·3	41·9	- 2·0	6	0·40	10	- 3
a Eskdalemuir	794	48	9th	224	8th	45·6	37·1	41·2	—	6	0·68	17	—
b, I. OF MAN p Douglas	277	51	4th	34	8th	47·7	39·1	43·2	- 0·8	5	1·03	26	+ 12
2. ENGLAND, N.E.													
a North .. a Alnwick Castle ..	210	54	7th	29	8th	46·3	37·3	41·6	- 0·6	4	0·67	17	+ 8
a Tynemouth	118	51	6, 7	33	8th	45·4	38·3	41·7	- 0·9	6	0·80	20	+ 13
p Durham	336	52	7th	30	8th	46·6	33·6	41·4	- 0·9	6	0·70	18	+ 10
p Rounton	249	53	7th	29	8th	46·9	37·3	41·9	- 0·3	6	0·97	25	+ 17
a West Witton	605	51	5th	31	7th	44·6	35·6	39·9	—	7	1·75	44	+ 36
p Scarborough	100	53	6, 7	38	9th	48·4	40·0	44·0	+ 0·6	5	0·98	25	—
p York	56	52	7th	37	9th	47·1	40·6	43·7	- 0·4	5	0·92	23	+ 16
b, South .. a Spurn Head	26	52	7th	35	5th	46·9	39·4	43·0	- 0·3	6	1·38	35	+ 30
a Lincoln	58	52	6, 7	40	6th	48·9	41·3	44·9	+ 0·6	7	1·13	29	+ 22
a Fulbeck	180	55	7th	38	6th	48·6	40·6	44·4	+ 0·1	7	0·99	25	+ 18
3. ENGLAND, E.													
p Cromer	196	57	7th	37	6th	50·4	38·6	44·2	+ 0·5	6	1·06	27	+ 21
a Little Massingham ..	280	55	7th	31	6th	50·9	38·0	44·1	+ 0·1	7	1·62	41	+ 33
a Yarmouth	13	58	10th	39	6th	51·9	41·9	46·7	+ 3·4	6	1·35	34	+ 27
a Norwich	93	61	10th	38	6th	52·9	41·7	47·0	+ 2·7	6	1·70	43	+ 35
a Geldeston	37	63	10th	36	6th	55·0	40·6	47·5	+ 3·5	6	1·19	30	+ 23
p Cambridge	41	63	10th	33	6th	55·0	42·1	48·2	+ 3·5	6	1·11	28	+ 21
a Clacton-on-Sea ..	54	56	10th	36	6th	52·3	42·7	47·3	+ 3·4	6	0·58	15	+ 9
a Rothamsted	424	58	10th	31	6th	51·6	41·4	46·3	+ 2·5	5	0·66	17	+ 9
p Tottenham	51	61	10th	42	4th	54·9	46·3	50·4	—	5	0·56	14	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	50	6th	33	9th	45·6	37·3	41·3	- 1·3	7	1·60	41	+ 31
p Sheffield	429	52	7th	35	9th	46·3	39·4	42·7	—	6	1·56	40	—
p Buxton	987	47	7th	35	9, 10	43·8	37·1	40·2	—	6	1·32	34	+ 17
b, East .. a Worksop	58	56	7th	38	9th	49·4	41·1	45·1	+ 0·9	6	1·22	31	+ 23
a Nottingham	32	57	7th	39	6, 9	49·6	40·6	44·9	+ 0·6	6	1·06	27	+ 19
p Birmingham, Edgbas.	535	60	10th	39	6, 9	49·7	44·4	46·9	+ 2·8	7	1·20	30	+ 21
a Raunds	203	62	10th	35	8th	52·9	40·7	46·5	+ 2·0	5	1·08	27	+ 19
p Oxford	208	58	10th	41	6th	52·1	43·6	47·7	+ 2·5	5	0·89	23	+ 14
c, West .. a Cheadle (N. Staffs.) ..	646	56	7th	37	6th	47·6	39·4	43·3	+ 0·3	6	1·16	30	+ 19
p Tenbury	313	59	10th	40	6th	51·6	41·7	46·4	+ 2·0	7	1·46	37	+ 29
a Hereford	291	57	10th	39	4, 5	51·1	41·4	46·0	+ 1·0	5	1·26	32	+ 23
a Clifton	228	—	—	—	—	—	—	—	—	—	—	—	—
5. ENGLAND, S.E.													
a Marlborough	424	58	10th	35	6th	51·9	42·1	46·8	+ 2·9	7	0·78	20	+ 10
p Salisbury (Wilton) ..	180	59	10th	37	6th	53·9	43·0	48·2	+ 3·2	7	0·78	20	+ 9
a Wisley, Surrey ..	150	59	9, 10	35	6th	54·7	43·6	48·9	+ 3·6	6	0·49	13	+ 6
a Tunbridge Wells ..	354	60	10th	32	6th	54·7	41·0	47·5	+ 2·4	5	0·35	9	0
a Margate	51	61	10th	40	4th	54·6	44·4	49·3	+ 3·7	6	0·56	14	+ 7
a Dungeness	21	55	10th	35	4th	52·4	41·0	46·4	+ 1·6	5	0·63	16	+ 9
p St. Leonards	178	57	10th	38	4th	53·3	44·4	48·6	+ 3·0	5	0·56	14	+ 6
p Southampton	64	61	10th	40	6th	55·1	44·7	49·7	+ 2·7	4	0·39	10	+ 1
a Ventnor	59	57	10th	41	4, 6	54·3	44·9	49·4	+ 2·6	5	0·40	10	+ 2
LONDON. a Richmond (Kew Obs.)	18	61	10th	37	6th	55·3	43·3	49·0	+ 3·2	5	0·38	10	+ 3
a Westminster	27	61	10th	36	6th	56·2	44·6	50·1	+ 3·5	5	0·39	10	+ 3
ag Greenwich	149	61	10th	34	6th	57·4	43·4	50·1	+ 4·9	5	0·41	10	+ 1
a Hampstead	450	60	10th	38	6th	53·7	43·4	48·3	—	4	0·51	13	—
ag Camden Square ..	110	62	10th	35	6th	56·6	43·7	49·8	+ 3·1	5	0·51	13	+ 5
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	49	5th	31	8th	45·9	36·4	40·9	- 2·2	6	0·51	13	+ 1
p Newton Rigg	558	54	7th	30	7th	48·5	34·4	41·1	- 1·1	5	1·36	35	+ 24
p Stonyhurst	375	50	6th	36	9, 10	47·3	39·7	43·3	+ 0·2	6	1·35	34	+ 19
p Blackpool	66	51	6th	38	8, 9	48·3	40·9	44·4	+ 0·6	5	1·07	27	+ 17
a Southport	37	52	6th	37	9th	48·1	41·1	44·4	+ 0·3	4	1·11	28	+ 18
a Liverpool (Bidston) ..	188	51	6, 7	39	9th	47·6	41·3	44·3	- 0·4	6	1·15	29	+ 20
a Hawarden Bridge ..	22	53	10th	39	9th	49·7	42·1	45·7	+ 0·3	5	1·03	26	+ 19
p Manchester (Whit. Pk.)	125	50	5-7	38	9th	47·7	42·1	44·8	- 0·3	5	0·82	21	+ 11
b NORTH WALES.													
p Llandudno	16	52	6th	40	9th	48·1	42·6	45·2	- 0·1	5	1·14	29	+ 20
a Holyhead	15	52	7th	41	9, 10	47·7	42·1	44·8	- 0·1	6	1·09	28	+ 17
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—
a Aberdovey	22	52	10th	42	5th	50·4	43·6	46·8	—	6	1·30	33	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft. Mean.	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
Deerness ..	3·5	- 1·3	28	•	•	•	•	•	•
Stornoway ..	5·1	+ 0·1	38	•	•	•	•	•	•
Castlebay ..	—	—	—	•	•	•	•	•	•
Nairn	3·3	—	25	•	•	•	•	•	•
Gordon Castle ..	3·1	—	23	•	•	•	•	•	•
Aberdeen ..	2·7	- 2·7	20	3	23	•	•	42·2	+0·9
Balmoral ..	•	•	•	3	21	•	•	•	•
Crathes	2·4	- 2·7	18	3	17	42·6	+1·2	41·3	+0·7
Dundee	3·8	—	29	3	19	42·9	•	•	•
Leith	•	•	•	2	26	•	•	•	•
Edinburgh ..	3·1	- 1·7	23	2	22	•	•	•	•
West Linton ..	2·4	—	18	3	15	•	•	•	•
Marchmont ..	3·2	- 1·8	24	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	3	17	44·4	—	43·0	—
Glasgow	2·6	- 1·6	20	2	21	•	•	•	•
Rothesay ..	3·5	—	25	2	24	44·9	—	44·4	+1·2
Kilmarnock ..	2·6	—	20	•	•	44·4	—	44·0	—
Colmonell ..	•	•	•	3	23	•	•	•	•
Dumfries ..	2·9	—	22	2	20	44·5	+1·6	43·9	+0·8
Eskdalemuir ..	3·2	—	24	3	14	•	•	•	•
Douglas	3·1	- 3·1	24	1	25	•	•	•	•
Cockle Park ..	2·0	- 3·3	15	2	24	43·2	+1·9	43·1	+1·3
Durham ..	1·7	- 3·3	13	1	28	•	•	•	•
Rounton ..	•	•	•	2	20	44·1	•	•	•
West Witton ..	•	•	•	1	27	42·6	—	42·2	—
Scarborough† ..	0·5	- 5·0	4	•	•	•	•	45·3	—
York	0·5	- 4·4	3	—	—	45·1	+1·8	44·5	+1·6
Spurn Head ..	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	0	38	46·3	+3·3	45·2	+2·3
Fulbeck	0·9	- 4·9	7	—	—	—	—	—	—
Skegness ..	1·3	- 4·9	10	•	•	•	•	•	•
Cromer	1·1	- 4·8	8	•	•	•	•	•	•
Lit. Massingham	0·6	- 4·9	5	•	•	•	•	•	•
Yarmouth ..	1·8	—	13	0	36	48·7	+3·6	47·7	+2·1
Norwich ..	1·4	—	11	1	29	47·4	•	•	•
Geldeston ..	1·8	- 3·9	14	•	•	•	•	•	•
Cambridge ..	1·6	- 4·0	12	0	32	48·1	+3·0	48·1	+3·1
Clacton	1·2	- 4·9	9	1	30	48·4	+3·1	48·0	+2·1
Rothamsted ..	1·6	- 3·7	13	1	27	45·6	•	•	•
Tottenham ..	1·4	—	10	0	33	•	•	47·2	+2·2
S'thend-on-Sea	2·0	—	15	0	36	49·4	+5·0	•	•
Harrogate ..	0·8	- 4·5	6	0	33	43·6	+1·9	44·0	+2·0
Sheffield	0·4	- 4·4	3	0	36	43·8	+1·6	43·7	+1·7
Buxton	0·0	—	0	0	34	42·6	+1·0	42·8	+1·0
Worksop ..	0·3	- 4·4	2	0	32	46·1	—	45·2	—
Nottingham ..	0·5	- 4·5	3	1	29	44·9	+1·9	44·7	+2·7
Birmingham ..	0·7	- 3·3	6	0	32	44·0	+1·5	45·0	+1·2
Raunds	1·1	—	8	0	31	47·2	—	44·9	—
Oxford	1·0	- 4·2	8	0	36	•	•	•	•
Malvern	1·0	—	7	0	38	46·4	—	46·1	—
Cheadle	•	•	•	0	35	•	•	•	•
Tenbury	•	•	•	0	36	46·4	—	—	—
Ross-on-Wye ..	0·7	—	5	0	32	—	—	—	—
Clifton	—	—	—	—	—	•	•	•	•
Worthing ..	2·8	- 3·3	21	0	32	49·3	+3·5	48·0	+2·2
Marlborough ..	0·8	- 3·9	6	0	31	47·5	—	47·0	—
Salisbury	•	•	•	0	32	48·6	•	•	•
Wisley	1·5	- 3·7	12	1	26	48·1	+3·8	46·9	+2·4
Tunbridge Wells	1·6	- 4·0	12	3	26	47·4	+4·2	46·9	—
Margate	2·0	- 3·6	15	0	36	49·3	+4·5	48·6	+3·8
Folkestone ..	2·7	—	20	•	•	•	•	46·1	—
St. Leonards ..	3·7	- 2·3	28	0	33	49·3	—	47·8	—
Southampton ..	1·5	- 4·2	12	0	32	•	•	•	•
Ventnor	2·6	- 3·5	20	•	•	•	•	•	•
Richmond ..	1·4	- 3·7	11	1	27	48·2	+3·8	46·8	+1·9
Westminster ..	1·2	- 2·8	9	1	28	•	•	•	•
Greenwich ..	1·4	- 2·8	11	1	30	•	•	•	•
Hampstead ..	1·7	—	13	1	26	•	•	•	•
Camden Square	—	—	—	1	29	•	•	•	•
Aspatria	1·7	- 3·6	13	1	23	43·9	0·0	43·9	-0·0
Newton Rigg ..	1·2	- 3·9	9	2	24	—	—	—	—
Stonyhurst ..	0·2	- 4·8	1	0	33	•	•	•	•
Blackpool ..	0·2	- 5·6	2	0	34	46·0	—	45·4	—
Southport ..	0·5	- 5·1	4	0	37	46·3	+2·2	46·1	+2·2
Hoylake ..	0·2	- 5·2	2	•	•	•	•	•	•
Liverpool ..	0·1	—	1	0	35	•	•	•	•
Manchester (City)	0·0	- 4·1	0	0	37	44·4	+2·0	46·0	+2·3
Whitworth Park	0·0	- 3·8	0	•	•	•	•	•	•
Llandudno ..	1·0	- 4·8	8	•	•	•	•	•	•
Holyhead ..	1·1	—	9	0	35	•	•	•	•
Aberdovey ..	0·7	- 4·9	5	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 4 ft Mean.	Earth 4 ft Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																						
a Aberystwyth	59	53	10th	41	4–6	49·7	43·6	46·2	—	5	1·41	36	—	Aberystwyth ..	0·5	— 4·6	4	•	•	•	•	•	•
a Rhayader	757	53	10th	36	5th	49·4	39·9	44·4	—	7	1·62	41	—	Rhayader ..	0·8	—	6	1	28	•	•	•	•
a St. Ann's Head	149	55	9th	41	4, 5	50·6	43·7	47·0	+ 1·9	5	1·14	29	+ 18	St. Ann's Head ..	2·7	— 2·8	21	•	•	•	•	•	•
p Cardiff	202	59	10th	40	5, 6	52·3	43·4	47·6	+ 2·7	6	2·34	59	+ 45	Cardiff	1·1	—	8	0	33	47·0	+2·4	46·9	+2·3
b. ENGLAND, S.W.																						
a Bath	66	61	10th	39	5, 6	55·1	43·9	49·2	+ 3·9	7	1·06	27	+ 17	Bath	1·1	— 3·9	9	—	—	48·3	+3·0	47·6	+2·3
a Shaftesbury	722	57	10th	38	4th	52·3	41·9	46·9	+ 2·9	7	0·92	23	+ 12	Shaftesbury ..	•	•	•	•	•	47·4	—	46·9	—
a Arlington	613	57	9th	36	6th	52·4	42·5	47·2	+ 3·1	6	2·10	53	+ 36										
a Newquay	190	58	9th	39	6th	54·1	45·5	49·6	+ 3·2	4	0·86	22	+ 11	Newquay ..	2·8	— 2·7	22	—	—	49·6	—	48·6	—
a Cullompton	202	59	10th	33	6th	55·1	42·9	48·7	+ 3·1	5	0·95	24	+ 12	Cullompton ..	1·8	— 3·1	14	0	32	48·5	•	•	•
a Portland Bill	19	53	6, 9, 10	41	8th	51·9	42·3	46·9	+ 1·3	6	0·44	11	+ 2	Weymouth ..	2·2	—	17	•	•	•	•	•	•
p Plymouth	116	58	9th	38	6th	54·1	45·3	49·5	+ 3·3	4	0·87	22	+ 10	Plymouth ..	3·1	— 2·4	23	0	33	48·7	+1·6	48·5	—
a Falmouth	167	56	9, 10	36	6th	54·0	42·9	48·2	+ 1·7	5	0·80	20	+ 6	Falmouth ..	3·5	— 2·3	26	1	30	50·9	—	50·2	—
9. IRELAND, N.																						
a West .. *a* Mallarany	120	55	5th	30	8th	50·4	37·0	43·4	—	1	0·43	11	—	Mallarany ..	3·7	—	28	2	26	—	—	•	•
a Malin Head	208	54	6th	34	8th	47·3	39·3	43·1	- 0·7	1	0·08	2	- 9	Malin Head ..	6·8	—	51	•	•	•	•	•	•
a Blacksod Point ..	37	52	4th	31	8th	48·0	36·3	41·9	- 3·4	3	0·19	5	- 8	Markree Castle	3·5	- 1·4	27	4	22	46·7	+1·1	45·6	+0·7
p Markree Castle ..	122	55	6th	26	8th	51·1	33·9	42·1	- 2·1	4	0·38	10	- 6										
b. East .. *p* Armagh	196	54	6th	29	8th	49·1	35·3	41·9	- 2·0	2	0·12	3	- 9	Armagh	3·1	- 1·7	23	4	18	45·0	+0·7	45·1	+0·7
a Donaghadee	39	52	6th	34	8, 9	47·7	37·6	42·4	- 1·7	2	0·28	7	- 4										
10. IRELAND, S.																						
p Dublin, City	47	55	6th	38	8th	49·3	41·0	45·0	- 1·2	5	0·78	20	+ 10	Trinity Coll. ..	1·0	—	7	2	27	46·6	+ 1·3	46·9	+1·4
a Birr Castle	175	55	4th	30	8th	49·7	36·6	42·8	- 1·7	5	0·56	14	+ 2	Phœnix Park ..	1·3	- 4·0	10	3	20	•	•	•	•
a Kilkenny	195	55	6th	32	6th	49·9	38·9	44 1	- 0 9	5	1·35	34	+ 22	Dublin City ..	•	•	•	0	31	•	•	•	•
a Waterford	137	55	5–7	39	6, 10	50 9	41·6	46·0	0·0	6	1·73	44	+ 30	Birr Castle ..	1·6	- 3·3	12	3	24	•	•	•	•
p Seskin, Carrick-on-Suir	535	57	5th	33	10th	49·7	38·1	43·6	—	5	1·91	49	—	Seskin	1·6	—	12	1	29	•	•	•	•
a Cahir	199	55	5th	35	6th	51·1	39·4	45·0	- 0·2	5	2·19	56	—										
a Foynes	50	58	5th	36	8th	50·9	38·9	44·6	- 1·5	5	0·87	22	+ 8										
a Cahirciveen (Val. Obs.)	30	52	4, 5	35	5, 6	49·4	39·9	44·4	- 2·4	4	1·98	50	+ 29	Cahirciveen ..	3·7	- 1·6	28	0	31	•	•	•	•
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra ..	2·1	- 3·5	16	•	•	•	•	•	•
a Roche's Point	32	54	4, 5, 7	37	10th	50·4	41·3	45·6	- 0·7	7	2·13	54	- 39										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	56	10th	44	6th	53·3	46·7	49·8	+ 2·2	5	0·52	13	+ 3	Scilly	3·6	- 2·0	28	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	60	8th	42	4, 6	56·1	45·4	50·5	+ 2·8	4	0·37	9	- 1	St. Heliers ..	4·1	- 1·9	31	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	58	9, 10	41	6th	55·7	46·4	50·8	+ 3·0	3	0·54	14	+ 3	Guernsey† ..	5·0	- 0·9	38	1	30	50·9	+3·2	50·0	+2·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 10th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Date
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day. hr.	m/s.	d. h. m
0. SCOTLAND, N.																
Deerness (Cup Anr.)** ..	188	16	5	—	—	9	1	50	99	10	8	350	12	9 10	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	—	—	—	—	80	88	0	310	5	7 16	11	7 5 15
Aberdeen	153	105	52	—	—	—	—	8	136	24	0	310	8	7 16	—	— — —
Edinburgh	486	39	31	—	—	7	2	22	86	58	0	160	13	7 5	22	7 5 25
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	—	7	3	41	73	51	0	180	11	7 6	18	7 13 15
Paisley	188	81	15	—	—	—	—	10	92	66	0	300	8	7 12	16	7 12 10
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	—	—	—	1	68	96	3	280	6	7 14	12	7 5 25
South Shields	72	61	12	—	—	7	1	40	98	29	0	290	11	7 16	17	7 16 20
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	— —	—	— — —
3. ENGLAND, E.																
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	— —	—	— — —
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	— —	—	— — —
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	—	—	—	21	98	49	0	230	8	7 14	13	7 14 0
5. ENGLAND, S.E.																
Brighton	261	53	6	—	—	—	—	8	116	44	0	—	8	10 1	13	10 0 40
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	— —	—	— — —
Butler's Cross, S'y Plain	550	43	‡	—	—	—	—	70	87	5	6	230	10	7 11	13	10 0 55
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	12	113	43	0	200	8	7 10	14	7 9 50
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	—	7	3	27	127	11	0	230	12	7 10	—	— — —
Southport	80	62	48	—	—	7	5	71	89	3	0	230	17	7 9	23	7 8 45
Holyhead	60	40	‡	—	—	7	6	116	41	5	0	220	12	7 7	19	7 6 35
8. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	—	—	—	—	65	66	18	19	200	10	8 11	13	8 10 45
Plymouth	185	88	2	—	—	—	—	32	110	26	0	—	9	8 12	12	8 16 45
Lyme Regis	556	61	‡	—	—	—	—	2	41	125	0	—	7	9 23	10	9 22 50
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	—	7.9	6	62	77	23	0	250	15	7 6	—	— — —
Quilty	100	40	‡	—	—	6.7	7	65	81	15	0	—	16	7 2	22	7 1 35
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	—	—	—	—	—	—	— —	—	— — —
Weaver Pt.	160	30	‡	—	—	6,8	7	74	77	10	0	—	14	6 21	19	6 22 0
11. ENGLISH CHANNEL																
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	— —	—	— — —

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FOURTEENTH WEEK of 1920—April 4th to April 10th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	26	80·6	74·8	77·6	− 0·8	10	− 12	24	+ 2	4	0	0·57	14	− 6	4·3	−0·2	32	1006
Eastern.																			
1. SCOTLAND, EAST ...	53	23	81·1	74·7	77·8	− 0·8	13	− 13	26	+ 1	4	0	0·18	5	− 5	3·1	−1·9	23	1007
2. ENGLAND, N.E.	55	29	81·4	76·9	79·1	− 0·1	20	− 8	8	−10	6	+ 3	0·95	24	+ 17	1·1	−4·4	9	1007
3. ENGLAND, EAST ...	63	31	84·6	78·3	81·3	+ 1·6	36	+ 1	1	−17	6	+ 3	1·09	28	+ 21	1·4	−4·2	11	1007
4. MIDLAND COUNTIES ...	62	33	82·9	78·1	80·4	+ 0·6	27	− 11	3	−17	6	+ 3	1·21	31	+ 22	0·6	−4·4	5	1007
5. ENGLAND, S.E.	61	32	85·2	79·2	82·1	+ 1·5	45	+ 7	0	−11	6	+ 3	0·53	14	+ 6	2·1	−3·5	16	1007
Western.																			
6. SCOTLAND, WEST ...	53	25	82·2	75·7	78·8	− 0·7	25	− 3	14	− 3	4	0	0·46	12	− 4	2·9	−2·4	22	1007
7. ENGLAND, N.W.	55	30	81·9	77·7	79·7	0·0	21	− 9	4	−11	6	+ 3	1·08	27	+ 16	0·8	−4·4	6	1007
8. ENGLAND, S.W.	61	33	84·5	79·1	81·7	+ 1·3	39	+ 3	0	− 9	6	+ 3	1·22	31	+ 18	1·9	−3·3	15	1007
9. IRELAND, NORTH ...	55	26	82·3	75·5	78·8	− 1·0	26	− 5	15	+ 2	3	− 1	0·27	7	− 7	3·3	−1·5	25	1008
10. IRELAND, SOUTH ...	58	30	83·2	77·3	80·1	− 0·6	29	− 9	6	− 3	5	+ 1	1·45	37	+ 23	2·2	−3·1	17	1007
11. ENGLISH CHANNEL ...	60	41	85·8	80·9	83·2	+ 1·5	59	+ 17	0	− 2	4	0	0·48	12	+ 2	4·2	−1·7	32	1008

THE SEASON (Spring).—Aggregates, &c., for the Period of 6 Weeks, February 29th to April 10th, 1920.

0. SCOTLAND, NORTH ...	57	25	81·3	75·5	78·3	+ 1·1	101	+ 25	113	− 63	30	+ 1	7·41	187	+ 43	3·0	−0·3	25	1006
Eastern.																			
1. SCOTLAND, EAST ...	61	22	81·6	75·2	78·3	+ 1·1	107	+ 12	125	− 73	28	+ 3	4·14	105	+ 25	3·2	−0·5	26	1006
2. ENGLAND, N.E.	65	24	83·0	76·3	79·6	+ 1·6	173	+ 56	78	− 75	27	+ 4	4·09	105	+ 45	2·9	−1·2	24	1009
3. ENGLAND, EAST ...	68	24	84·7	76·5	80·4	+ 2·1	232	+ 86	75	− 83	23	+ 2	2·69	69	+ 13	3·8	−0·3	31	1012
4. MIDLAND COUNTIES ...	67	20	83·9	76·5	80·1	+ 1·8	206	+ 53	75	− 91	28	+ 7	4·14	105	+ 42	2·9	−0·8	24	1011
5. ENGLAND, S.E.	67	23	84·6	77·3	80·9	+ 2·0	238	+ 83	55	− 66	26	+ 5	2·44	62	− 4	3·8	−0·4	31	1012
Western.																			
6. SCOTLAND, WEST ...	56	22	81·9	76·4	79·0	+ 0·9	128	+ 22	73	− 67	31	+ 6	5·87	150	+ 30	2·4	−1·3	20	1008
7. ENGLAND, N.W.	64	22	82·7	77·0	79·8	+ 1·4	156	+ 39	54	− 74	30	+ 7	6·04	154	+ 69	2·5	−1·3	21	1010
8. ENGLAND, S.W.	68	22	83·6	77·3	80·4	+ 1·3	194	+ 42	53	− 48	31	+ 8	5·55	142	+ 42	3·1	−1·0	26	1011
9. IRELAND, NORTH ...	60	23	82·6	75·9	79·2	+ 0·4	158	+ 27	88	− 29	29	+ 1	4·19	106	+ 6	3·1	−0·4	26	1008
10. IRELAND, SOUTH ...	61	28	83·3	76·7	79·9	+ 0·4	179	+ 8	64	− 25	29	+ 5	5·61	142	+ 37	3·2	−0·8	26	1010
11. ENGLISH CHANNEL ...	65	33	84·6	79·5	82·0	+ 1·4	268	+ 79	7	− 27	27	+ 2	3·13	78	− 5	4·3	−0·6	36	1013

THE YEAR 1920.—Aggregates, &c., for the Period of 14 Weeks, January 4th to April 10th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·5	74·9	77·7	+ 1·0	163	+ 34	327	−134	74	+ 4	24·18	614	+219	2·0	−0·1	20	1005
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·7	74·5	77·6	+ 1·1	173	+ 22	386	−146	64	+ 7	9·31	236	+42	2·7	0·0	27	1097
2. ENGLAND, N.E.	65	24	82·0	75·5	78·7	+ 1·5	316	+129	263	−163	58	+ 5	7·59	194	+57	2·6	−0·2	26	1012
3. ENGLAND, EAST ...	68	20	83·1	75·6	79·3	+ 2·0	404	+182	262	−189	50	− 2	5·37	138	+ 3	3·0	0·0	29	1015
4. MIDLAND COUNTIES ...	67	20	82·7	75·7	79·2	+ 1·9	374	+136	255	−213	61	+ 9	8·84	224	+67	2·4	−0·2	23	1014
5. ENGLAND, S.E.	67	17	83·3	76·7	80·0	+ 2·0	450	+195	163	−190	58	+ 7	6·17	158	− 9	2·9	−0·1	29	1016
Western.																			
6. SCOTLAND, WEST ...	56	22	81·3	75·8	78·5	+ 1·0	240	+ 58	238	−132	75	+12	16·17	412	+88	2·0	−0·5	20	1010
7. ENGLAND, N.W.	64	22	82·1	76·5	79·3	+ 1·6	320	+123	181	−170	65	+ 9	12·64	321	+104	2·2	−0·4	22	1012
8. ENGLAND, S.W.	68	17	82·9	77·0	80·0	+ 1·5	398	+120	131	−149	67	+10	12·19	309	+52	2·6	−0·3	25	1015
9. IRELAND, NORTH ...	60	23	82·3	75·9	79·1	+ 0·9	351	+112	218	− 92	74	+ 7	11·63	295	+42	2·4	−0·1	24	1009
10. IRELAND, SOUTH ...	61	22	83·1	76·8	80·0	+ 1·0	412	+ 81	140	−101	72	+11	13·36	338	+61	2·5	−0·4	25	1013
11. ENGLISH CHANNEL ...	65	29	83·7	79·2	81·4	+ 1·3	538	+156	20	− 84	57	− 6	7·44	186	−31	3·4	−0·1	33	1017
	°F	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: April 16th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FIFTEENTH WEEK,
SUNDAY, APRIL 11TH TO SATURDAY, APRIL 17TH, 1920.

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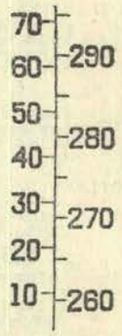
I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic systems were again dominant over the Iceland region and also over the Atlantic, between the Azores and northern Africa. Pressure was persistently low to the westward of Ireland, and secondary disturbances moved eastward across Ireland and England from time to time. The winds were mostly from north-east or east over our northern districts, and from between south-east and south-west in the south and west. Gales prevailed in the extreme west on the 11th, 12th and 13th, and over the south of England on the 15th and 16th. The general character of the weather was very showery with an equable temperature, much cloud and only a few fair intervals. At some of the Scottish stations temperature did not exceed 283 a all the week, but in most parts of Ireland and England it rose to 287 a on different days, and at some stations in England E. and S.E. to 289 a. The lowest minima was registered either on the 11th or 17th, the absolute lowest being at Balmoral and West Linton, at both of which stations the thermometer in the screen went down to 269 a, and on the grass to 266 a. The mean temperature for the week was just equal to the normal in Scotland E., and there was a slight excess in the other Scotttsh districts, while over Ireland and England the excess was larger, the divergence in England E. and England S.E. being about 2·5 a. The total rainfall was less than the normal over Scotland N. and just equal to it over Scotland E., but in all other districts there was an excess, the difference being greatest in the Midland counties (27mm.), and England S.W. (32mm.). Several of the rivers in the Midland counties were in flood. The deficiency of bright sunshine was again very large, at some stations in the western half of England the daily mean was nearly four hours less than the normal; there was a deficit in all districts except Scotland N.; at Great Yarmouth, however, the daily mean was as large as 5·5 hrs. Solar halos were observed at Ross-on-Wye on the 14th and 17th and at Oxford on the 12th, 13th, 14th and 17th, while the Zodiacal Light was seen at Ross on the 11th and at Oxford on the 11th, 12th, 13th and 16th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	2·4	13	3·4	20	10·4	23	5·8	17	6·2	—	—	21	5·3	20	5·6
North	6	3·3	5	2·1	1	3·0	1	0·8	6	2·4	—	—	4	2·9	6	4·5
West	3	5·5	7	3·8	1	7·3	16	3·4	11	5·0	—	—	10	5·4	12	7·6
East	20	6·5	17	3·5	4	5.2	6	3·3	12	6·3	—	—	15	6·6	14	4·5
Calm	4	—	4	—	2	—	3	—	1	—	—	—	2	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yar mouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c, is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Unusual	Moderate	Moderate	Unusual
Rainfall ...	Moderate	Moderate	Heavy	Heavy	Very heavy	Very heavy	Heavy	Heavy	Very heavy	Heavy	Heavy	Very heavy
Sunshine ...	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Very scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 7 weeks from Feb. 29th, 1920. Warmth ...	3, 4, 0	2, 4, 1	4, 2, 1	5, 2, 0	4, 3, 0	6, 1, 0	4, 3, 0	4, 3, 0	5, 1, 1	3, 3, 1	2, 4, 1	6, 1, 0
Rainfall ...	3, 4, 0	3, 2, 2	5, 1, 1	3, 3, 1	5, 2, 0	2, 5, 0	3, 4, 0	5, 2, 0	5, 2, 0	3, 3, 1	4, 1, 2	3, 3, 1
Sunshine ...	1, 5, 1	2, 2, 3	1, 2, 4	1, 3, 3	2, 2, 3	2, 2, 3	0, 2, 5	1, 3, 3	1, 3, 3	1, 2, 4	1, 2, 4	0, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28297—19) Wt. 24—561/P 25 625 4/20 H. St G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.						Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%		°F.	°F.	°F	°F	°F
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	50	16th	31	11th	46·4	36·7	41·3	+ 1·2	3	0·20	5	- 10										
p Deerness, Orkney ..	165	48	15, 16	36	17th	46·4	40·0	43·1	—	3	0·06	2	- 12	Deerness ..	5·0	+ 0·4	35	•	•	•	•	•	•
a Stornoway	51	55	14th	34	17th	50·1	40·1	44·9	+ 2·8	3	0·20	5	- 15	Stornoway ..	5·4	+ 0·5	38	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—						
b, Mainland. a Wick	81	49	16th	30	17th	45·3	37·1	41·0	- 0·6	2	0·13	3	- 10										
a Strathpeffer	125	53	13–15	29	17th	51·1	37·0	43·7	+ 1·2	2	0·24	6	- 7										
p Glencarron	500	52	15th	29	17th	48·6	36·1	42·1	- 0·2	5	0·68	17	- 23										
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	59	13th	30	17th	51·1	39·3	44·9	+ 1·5	4	0·75	19	- 11										
1. SCOTLAND, E.																							
a Nairn	82	56	13th	30	11th	51·0	37·0	43·7	+ 1·1	5	0·29	7	- 4	Nairn	3·0	—	22	•	•	•	•	•	•
p Gordon Castle	101	54	13th	29	11th	50·1	38·3	43·9	+ 1·0	3	0·18	5	- 7	Gordon Castle..	3·4	—	24	•	•	•	•	•	•
a Aberdeen	46	49	16, 17	36	17th	46·7	40·0	43·2	+ 0·7	5	0·61	16	+ 3	Aberdeen ..	2·2	- 2·7	16	1	27	•	•	42·6	+0·6
a Balmoral	930	50	13, 14	26	11th	45·3	34·0	39·4	0·0	6	0·40	10	- 6	Balmoral ..	•	•	•	2	22	•	•	•	•
p Crieff	432	50	17th	31	17th	45·7	37·0	41·1	- 2·2	6	1·04	26	+ 11	Crathes	2·5	- 2·2	18	2	21	42·5	-0·1	42·0	+0·5
a Dundee	244	57	16th	32	17th	49·1	37·6	43·1	+ 0·3	6	0·87	22	+ 10	Dundee	2·0	—	15	2	25	42·9	•	•	•
a Leith	30	54	14, 15	35	17th	49·7	40·0	44·6	+ 0·5	6	0·49	12	+ 3	Leith	•	•	•	1	30	•	•	•	•
p Edinburgh	441	53	15th	34	11th	48·4	38·9	43·4	+ 0·8	6	0·30	8	- 2	Edinburgh ..	1·7	- 2·6	12	1	26	•	•	•	•
a West Linton	769	50	14, 17	25	17th	47·1	33·6	40·0	0·0	4	0·45	11	—	West Linton ..	1·7	—	12	1	20	•	•	•	•
p Marchmont	498	55	16th	32	16th	48·7	35·9	42·0	0·0	6	0·64	16	+ 2	Marchmont .	1·6	- 2·9	12	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	55	13th	28	17th	49·8	38·5	43·9	—	5	0·82	21	—	Ford (Argyll) ..	•	•	•	1	22	44·4	—	43·3	—
p Glasgow Observatory	180	52	13th	34	17th	48·4	39·9	44·0	+ 0·1	5	0·79	20	+ 8	Glasgow.. ..	1·9	- 2·1	14	1	23	•	•	•	•
p Rothesay	200	50	13th	32	17th	46·6	38·0	42·1	- 2·2	6	0·78	20	+ 2	Rothesay ..	2·6	—	19	1	25	43·9	—	44·6	+0·7
a Kilmarnock	90	55	13, 14, 17	31	17th	53·0	40·7	46·6	+ 3·4	4	0·52	13	0	Kilmarnock ..	2·5	—	18	•	•	44·6	—	44·3	—
a Colmonell	170	54	14th	32	17th	50·7	41·3	45·8	+ 2·3	5	0·56	14	- 1	Colmonell ..	•	•	•	1	27	•	•	•	•
p Cally, Gatehouse ..	120	53	13th	30	17th	50·7	39·1	44·6	+ 1·2	6	1·11	28	+ 11	Dumfries ..	2·4	—	18	1	21	44·7	+0·5	44·0	+0·1
p Dumfries	160	54	13th	32	17th	49·7	39·4	44·3	+ 0·1	5	1·11	28	+ 15	Eskdalemuir ..	2·2	—	16	3	21	•	•	•	•
a Eskdalemuir	794	50	13, 15, 17	28	17th	47·4	36·3	41·6	—	6	1·72	44	—										
b, I. OF MAN p Douglas	277	50	15th	34	17th	48·6	41·1	44·7	+ 0·6	5	1·32	34	+ 19	Douglas	2·9	- 2·9	21	1	28	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle ..	210	58	15th	34	17th	50·3	39·4	44·6	+ 1·9	6	0·96	25	+ 13										
a Tynemouth	118	58	15th	36	17th	48·9	40·6	44·6	+ 1·6	5	0·76	19	+ 10	Cockle Park ..	1·8	- 2·7	13	1	28	42·5	-0·1	43·0	+0·4
p Durham	336	57	15th	35	17th	49·0	39·4	44·0	+ 1·1	6	0·57	14	+ 4	Durham ..	2·0	- 2·4	15	1	26	•	•	•	•
p Rounton	249	58	15th	33	17th	51·9	40·3	45·8	+ 3·0	6	0·51	13	+ 2	Rounton ..	•	•	•	2	23	44·5	•	•	•
a West Witton	605	57	15th	33	17th	50·1	39·6	44·6	—	5	1·56	40	—	West Witton .	•	•	•	1	27	42·7	—	42·3	—
p Scarborough	100	55	16th	37	17th	51·6	42·0	46·6	+ 2·7	5	0·56	14	+ 4	Scarborough† ..	2·7	- 2·2	20	•	•	•	•	45·3	—
p York	56	56	13, 15	37	17th	52·9	42·3	47·4	+ 2·6	5	0·74	19	+ 9	York	1·1	- 3·2	8	—	—	45·3	+0·8	44·8	+1·2
b, South .. a Spurn Head	26	56	15th	40	14th	51·4	42·3	46·6	+ 2·7	5	0·59	15	+ 8	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	58	15th	39	17th	54·9	43·7	49·0	+ 3·9	6	0·95	24	+ 15	Lincoln	•	•	•	0	34	47·4	+3·0	45·7	+2·1
a Fulbeck	180	57	15, 16	37	17th	54·4	43·1	48·5	+ 3·5	6	1·52	39	+ 30	Fulbeck ..	3·4	- 1·7	25	•	•	—	—	—	—
														Skegness ..	4·1	- 1·4	30	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	61	15th	37	14th	56·1	40·9	48·1	+ 3·9	7	0·33	8	0	Cromer	4·3	- 1·0	31	•	•	•	•	•	•
a Little Massingham ..	280	58	15th	38	14th	55·0	41·0	47·7	+ 3·1	6	0·78	20	+ 10	Lit. Massingham	2·9	- 2·1	21	•	•	•	•	•	•
a Yarmouth	13	60	15th	42	14th	53·6	44·9	49·0	+ 5·1	7	0·63	16	+ 6	Yarmouth ..	5·5	—	40	0	39	49·4	+2·7	48·4	+1·9
a Norwich	93	60	15th	41	11, 14	55·3	43·6	49·2	+ 4·4	7	0·71	18	+ 7	Norwich ..	4·1	—	30	0	32	49·1	•	•	•
a Geldeston	37	62	11th	38	17th	57·9	42·4	49·8	+ 5·3	7	0·53	14	+ 5	Geldeston ..	3·9	- 1·3	29	•	•	•	•	•	•
p Cambridge	41	60	15th	38	17th	56·7	44·0	50·1	+ 4·7	7	0·81	21	+ 12	Cambridge ..	2·8	- 2·4	20	0	37	50·1	+3·6	48·3	+2·4
a Clacton-on-Sea ..	54	58	15th	46	14, 17	54·4	47·6	50·8	+ 6·3	7	0·93	24	+ 16	Clacton	3·3	- 2·4	24	0	40	50·6	+4.2	48·9	+2·3
a Rothamsted	424	56	13th	40	14th	53·7	43·6	48·4	+ 3·9	7	1·56	40	+ 30	Rothamsted ..	2·8	- 2·1	21	0	32	47·7	•	•	•
p Tottenham	51	58	15th	44	13, 17	55·9	46·3	50·9	—	6	1·11	28	—	Tottenham ..	2·1	—	15	0	39	•	•	48·2	+2·4
														S'thend-on-Sea	3·0	- 2·3	22	0	42	50·9	+4·5	•	•
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	54	15th	33	17th	50·9	39·7	45·0	+ 2·0	5	0·96	24	+ 13	Harrogate ..	2·1	- 2·8	15	1	27	43·9	+1·1	43·9	+1·1
p Sheffield	429	55	17th	36	17th	52·6	41·9	47·0	—	6	1·24	32	—	Sheffield.. ..	1·1	- 3·3	8	1	29	44·5	+1·1	43·9	+1·3
p Buxton	987	52	15th	32	17th	49·6	39·3	44·2	—	6	2·13	54	+ 37	Buxton	1·0	—	7	1	30	43·3	+0·2	42·8	+0·5
b, East .. a Worksop	56	58	17th	34	17th	54·9	42·6	48·5	+ 3·9	5	1·05	27	+ 18	Worksop ..	1·4	- 2·9	10	2	26	46·7	—	45·5	—
a Nottingham	82	58	15th	37	17th	54·4	42·7	48·3	+ 3·5	6	1·02	26	+ 18	Nottingham ..	1·8	- 2·8	13	0	31	46·9	+2·4	45·1	+2·2
p Birmingham, Edgbsn.	535	55	15th	41	14th	53·4	43·1	48·0	+ 3·4	6	1·40	36	+ 26	Birmingham ..	1·2	- 2·5	9	0	34	45·8	+2·4	45·1	+1·0
a Raunds	203	58	15, 16	40	14th	55·9	42·7	49·0	+ 3·9	7	1·02	26	+ 18	Raunds	2·7	—	20	0	38	48·6	—	45·9	—
p Oxford	208	57	13th	40	17th	55·3	44·6	49·7	+ 3·9	7	1·00	25	+ 16	Oxford	3·0	- 1·9	22	0	31	•	•	•	•
														Malvern ..	2·1	—	15	0	35	48·0	—	46·6	—
c, West .. a Cheadle (N. Staffs.) ..	646	55	17th	35	17th	52·1	41·1	46·3	+ 2·8	6	1·83	46	+ 34	Cheadle	•	•	•	0	34	•	•	•	•
p Tenbury	313	56	13th	41	14th	54·4	43·3	48·6	+ 3·8	6	2·47	63	+ 54	Tenbury	•	•	•	0	34	47·5	—	—	—
a Hereford	291	55	14, 17	40	14, 16	53·9	42·4	47·9	+ 2·4	6	1·99	51	+ 41	Ross-on-Wye ..	1·9	—	14	0	35	—	—	—	—
a Clifton	228	56	12th	41	17th	53·6	45·1	49·2	+ 2·7	7	1·93	49	+ 33	Clifton	3·7	—	27	0	39	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	54	11, 15–17	37	16, 17	53·6	42·1	47·8	+ 3·4	7	1·73	44	+ 34	Worthing ..	3·9	- 1·8	29	0	43	51·6	+4·3	48·8	+2·3
p Salisbury (Wilton) ..	180	57	16, 17	39	17th	55·0	44·3	49·4	+ 4·0	7	2·45	62	+ 51	Marlborough ..	2·0	- 2·5	14	0	31	49·0	—	47·6	—
a Wisley, Surrey ..	150	59	14th	43	14th	56·4	45·9	50·9	+ 5·3	6	0·96	24	+ 17	Salisbury ..	•	•	•	0	34	50·7	•	•	•
a Tunbridge Wells ..	354	58	15th	42	17th	55·0	45·0	49·8	+ 4·3	6	1·19	30	+ 21	Wisley	2·8	- 2·1	21	1	30	49·9	+4·2	47·8	+2·5
a Margate	51	61	15th	42	15th	55·9	45·9	50·7	+ 4·9	5	0·54	14	+ 7	Tunbridge Wells	1·9	- 3·4	14	0	32	49·3	+4·1	47·6	—
														Margate	3·4	- 1·9	25	0	38	50·8	+4·8	49·3	+3·8
a Dungeness	21	57	15th	45	14, 15, 17	54·1	46·3	50·0	+ 5·0	4	0·59	15	+ 8	Folkestone ..	3·2	—	24	•	•	•	•	46·6	—
p St. Leonards	178	57	15th	46	14, 17	54·3	47·4	50·7	+ 4·9	5	0·41	10	+ 2	St. Leonards ..	3·7	- 1·9	27	0	40	51·7	—	48·4	—
p Southampton	64	57	17th	44	17th	54·7	46·3	50·3	+ 3·0	6	1·52	39	+ 30	Southampton ..	2·7	- 2·8	20	0	33	•	•	•	•
a Ventnor	59	56	14, 16	45	14th	54·9	47·1	50·8	+ 3·8	6	0·85	22	+ 13	Ventnor	3·1	- 2·5	23	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	59	11th	44	14, 17	56·9	46·1	51·2	+ 5·1	6	1·02	26	+ 19	Richmond ..	2·3	- 2·6	17	0	37	50·0	+4·1	47·8	+2·2
a Westminster	27	60	15th	44	17th	56·9	46·7	51·6	+ 4·6	6	1·09	28	+ 21	Westminster ..	2·4	- 1·6	18	0	35	•	•	•	•
ag Greenwich	149	60	13, 15	42	14, 17	58·0	44·6	51·0	+ 4·6	6	0·98	25	+ 16	Greenwich ..	2·6	- 1·9	19	0	34	•	•	•	•
a Hampstead	450	56	15th	42	14th	54·0	44·9	49·2	—	6	1·28	33	—	Hampstead ..	1·9	—	14	0	37	•	•	•	•
ag Camden Square ..	110	60	15th	42	17th	58·0	45·1	51·2	+ 4·0	6	1·02	26	+ 18	Camden Square	—	—	—	0	36	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	55	15th	34	17th	49·9	39·6	44·5	+ 1·0	5	0·78	20	+ 7	Aspatria.. ..	2·2	- 2·7	16	1	28	44·3	-0·9	44·0	-0·4
p Newton Rigg	559	54	15, 17	33	17th	50·4	38·9	44·4	+ 1·8	6	0·95	24	+ 12	Newton Rigg ..	2·0	- 2·9	15	1	28	44·8	+0·8	44·0	+1·5
p Stonyhurst	375	55	15th	35	17th	51·7	41·7	46·5	+ 3·0	6	1·06	27	+ 11	Stonyhurst ..	1·5	- 2·3	11	1	29	•	•	•	•
p Blackpool	66	57	13, 15	37	17th	53·0	42·9	47·7	+ 3·5	6	1·09	25	+ 14	Blackpool ..	2·2	- 3·4	16	0	33	46·1	—	45·7	—
a Southport	37	56	13, 15	38	17th	53·3	42·9	47·9	+ 3·4	5	0·92	23	+ 12	Southport ..	2·1	- 3·4	15	1	26	46·7	+0·8	46·3	+1·3
														Hoylake	1·7	- 3·5	12	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	56	13, 15	40	11th	53·1	43·0	47·8	+ 2·7	6	0·75	19	+ 9	Liverpool ..	1·7	—	12	0	31	•	•	•	•
a Hawarden Bridge ..	22	57	15th	38	17th	54·3	43·3	48·5	+ 2·7	6	0·87	22	+ 14	Manchester(City)	0·2	- 3·9	2	0	34	45·4	+1·8	46·0	+1·7
p Manchester (Whit. Pk.)	125	57	13th	38	17th	53·1	44·0	48·3	+ 2·8	6	1·13	29	+ 18	Whitworth Park	0·5	- 3·3	3	•	•	•	•	•	•
b NORTH WALES.																							
p Llandudno	16	56	13, 15	36	17th	53·6	42·7	47·9	+ 2·3	7	0·61	16	+ 5	Llandudno ..	1·8	- 3·7	13	•	•	•	•	•	•
a Holyhead	15	53	11, 15	38	11th	51·9	43·1	47·3	+ 2·1	6	0·95	24	+ 12	Holyhead ..	1·5	—	11	1	23	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	55	11, 12	43	11, 16, 17	53·3	44·9	48·9	—	6	1·77	45	—	Aberdovey ..	0·8	- 4·5	6	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																							
a Aberystwyth	59	56	11th	42	11, 17	53·1	44·4	48·5	—	7	1·53	39	—	Aberystwyth ..	1·5	- 3·9	11	•	•	•	•	•	•
a Rhayader	757	53	12, 15, 17	37	17th	51·7	41·3	46·3	—	7	2·78	71	—	Rhayader ..	1·6	—	12	2	30	•	•	•	•
a St. Ann's Head ..	149	54	17th	43	17th	50·6	45·0	47·7	+ 2·2	6	1·30	33	+ 22	St. Ann's Head	3·0	- 2·5	22	•	•	•	•	•	•
p Cardiff	202	55	12, 17	43	14, 17	53·6	45·1	49·2	+ 3·6	6	1·92	49	+ 35	Cardiff	2·6	—	19	0	37	49·1	+3·1	47·2	+1·9
b, ENGLAND, S.W.																							
a Bath	66	58	16, 17	35	17th	56·6	44·9	50·5	+ 4·5	7	1·54	39	+ 28	Bath	2·5	- 2·8	18	—	—	49·6	+2·9	48·3	+2·3
a Shaftesbury	722	53	16th	42	15, 17	51·1	43·4	47·1	+ 2·4	6	1·86	47	+ 36	Shaftesbury ..	•	•	•	•	•	48·1	—	47·3	—
a Arlington	613	55	12, 17	40	17th	52·1	43·4	47·5	+ 2·8	7	1·80	46	+ 29										
a Newquay	190	55	12th	44	17th	53·5	46·6	49·9	+ 3·1	5	1·44	37	+ 26	Newquay ..	3·1	- 2·7	23	—	—	51·0	—	49·4	—
a Cullompton	202	57	16th	38	17th	54·9	44·7	49·6	+ 3·3	7	2·04	52	+ 40	Cullompton ..	1·7	- 3·5	13	0	33	50·3	•	•	•
a Portland Bill	19	54	12th	41	12th	52·9	43·1	47·8	+ 1·7	7	1·34	34	+ 25	Weymouth ..	—	—	—	•	•	•	•	•	•
p Plymouth	116	57	11th	45	17th	54·4	47·0	50·5	+ 3·2	5	1·14	29	+ 17	Plymouth ..	2·4	- 3·4	18	0	40	51·3	+2·7	49·4	—
a Falmouth	167	56	16th	42	14th	54·1	45·6	49·7	+ 2·8	7	2·05	52	+ 38	Falmouth ..	3·1	- 3·0	23	0	37	52·2	—	50·9	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	53	14th	40	11th	51·4	43·1	47·1	—	5	0·83	21	—	Mallarany ..	2·7	—	19	0	37	—	—	•	•
a Malin Head	208	52	17th	38	17th	48·1	41·3	44·5	+ 0·2	4	0·71	18	+ 8	Malin Head ..	2·5	- 2·6	18	•	•	•	•	•	•
a Blacksod Point ..	37	55	12th	35	11th	51·3	40·3	45·5	- 0·3	4	0·33	9	- 6	Markree Castle	2·8	—	20	1	27	47·9	+0·8	46·1	+0·5
p Markree Castle ..	122	58	12th	34	17th	54·3	41·6	47·7	+ 3·1	6	0·99	25	+ 11										
b, East .. *p* Armagh	196	56	14th	32	17th	51·6	40·7	45·9	+ 1·4	6	0·89	23	+ 12	Armagh	2·5	- 2·6	18	1	27	46·4	+0·7	45·4	+0·4
a Donaghadee	39	54	14th	31	17th	49·6	40·0	44·6	- 0·1	6	1·12	28	+ 17										
10. IRELAND, S.																							
p Dublin, City	47	56	15th	35	17th	52·0	43·0	47·3	+ 0·8	6	1·04	26	+ 16	Trinity Coll. ..	3·3	—	24	1	28	48·0	+1·5	47·2	+1·1
a Birr Castle	175	56	15th	30	17th	53·3	41·6	47·2	+ 2·3	6	0·95	24	+ 13	Phœnix Park ..	2·7	- 2·9	20	1	20	•	•	•	•
a Kilkenny	195	54	11, 14–16	32	17th	53·7	42·0	47·6	+ 2·2	6	0·83	21	+ 10	Dublin City ..	•	•	•	1	29	•	•	•	•
a Waterford	137	55	12, 15	35	17th	53·3	42·6	47·7	+ 1·4	4	0·95	24	+ 11	Birr Castle ..	3·6	- 1·6	27	1	21	•	•	•	•
p Seskin, Carrick-on-Suir	535	56	16th	32	17th	52·3	40·0	45·9	—	5	1·43	36	—	Seskin	2·4	—	18	1	24	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	56	17th	39	11, 17	53·4	43·1	48·0	+ 1·6	5	0·89	23	+ 10										
a Cahirciveen (Val. Obs.)	30	53	11th	30	17th	51·0	42·7	46·7	- 0·2	5	2·09	53	+ 34	Cahirciveen ..	3·1	- 2·4	22	1	30	•	•	•	•
a Killarney	174	58	11th	36	16th	54·2	42·9	48·3	+ 1·9	6	1·97	50	+ 33	Ballinacurra ..	3·6	- 2·1	27	•	•	•	•	•	•
a Roche's Point	32	56	17th	37	17th	52·3	43·4	47·6	+ 1·1	7	1·30	33	+ 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	16, 17	44	17th	53·1	46·9	49·9	+ 2·1	6	1·11	28	+ 18	Scilly	4·4	- 1·6	32	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	60	15th	46	17th	55·7	47·9	51·6	+ 3·4	6	1·61	41	+ 31	St. Heliers ..	3·1	- 3·3	23	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	57	15, 16	44	14th	55·1	47·9	51·3	+ 3·0	6	1·29	33	+ 22	Guernsey† ..	3·7	- 2·6	28	—	—	—	—	—	—

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 17th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
6. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	16	3	104	33	16	12	320	12	16	21	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	116	52	0	80	5	11	12	14	16	20	50
Aberdeen	153	105	52	—	—	—	—	60	94	14	0	90	9	12	16	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	48	88	32	0	310	9	16	15	14	16	14	45
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	12, 14	3	95	54	16	0	200	11	14	16	20	13	16	40
Paisley	188	81	15	—	—	—	—	58	79	31	0	90	8	12	11	18	12	10	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	8	117	43	0	270	7	16	22	12	16	21	5
South Shields	72	61	12	—	—	—	—	93	69	6	0	100	11	11	1	17	16	17	30
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	15	4	12 to 16	47	83	24	10	0	200	18	15	15	27	15	16	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	12, 14 to 16	27	85	43	13	0	200	15	15	13	24	15	12	40
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	16	7	103	51	7	0	—	12	16	11	20	16	11	20
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	15, 16	10	12 to 16	50	76	32	0	0	200	19	15	20	26	15	15	30
Richmond (Kew Obs.)..	82	65	22	—	—	15, 16	8	53	94	13	0	230	12	16	11	23	15	14	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	13, 14, 16	6	115	45	2	0	300	13	16	17	—	—	—	—
Southport	80	62	48	—	—	11, 16	9	118	40	1	0	250	12	16	13	18	16	10	25
Holyhead	60	40	‡	—	—	11 to 13	9	121	32	6	0	210	12	13	18	19	13	17	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	12, 13, 15	30	11 to 14, 16	86	22	21	9	0	220	24	15	18	30	15	18	5
Plymouth	185	88	2	15	14	11 to 16	42	77	23	12	0	—	19	15	13	27	15	18	20
Lyme Regis	556	61	‡	—	—	12, 15, 16	13	69	51	35	0	—	15	12	3	21	15	20	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	11 to 13, 16	31	81	50	6	0	110	16	12	5	—	—	—	—
Quilty	100	40	‡‡	12	6	11 to 13, 16	41	89	30	1	1	—	18	12	12	26	12	11	30
Cahirciveen (Val Obs.)	98	41	‡‡	—	—	11 to 14	40	82	36	10	0	270	17	13	10	30	12	8	35
Weaver Pt.	180	30	‡	11, 12	2	11 to 14	49	77	30	1	9	—	19	11	24	28	13	13	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTEENTH WEEK of 1920—April 11th to April 17th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	29	82·3	76·2	79·1	+ 0·7	25	+ 4	12	−10	3	− 2	0·37	9	− 13	5·2	+0·9	37	994
Eastern.																			
1. SCOTLAND, EAST ...	56	25	81·9	75·8	78·7	0·0	22	− 6	14	− 9	5	+ 1	0·51	13	0	2·2	−2·4	16	993
2. ENGLAND, N.E.	58	33	83·9	78·3	80·9	+ 1·5	32	+ 3	1	−14	6	+ 2	0·80	20	+ 10	2·5	−2·4	18	994
3. ENGLAND, EAST ...	62	37	86·0	79·6	82·6	+ 2·5	51	+ 14	0	−14	7	+ 4	0·82	21	+ 11	3·4	−1·7	25	998
4. MIDLAND COUNTIES ...	58	33	85·2	78·9	81·9	+ 1·8	43	+ 4	0	−16	6	+ 3	1·47	37	+ 27	2·0	−2·7	15	995
5. ENGLAND, S.E.	61	37	85·8	80·6	83·1	+ 2·4	57	+ 17	0	−10	6	+ 3	1·13	29	+ 20	2·9	−2·4	21	997
Western.																			
6. SCOTLAND, WEST ...	55	28	82·8	77·3	79·9	+ 0·3	27	− 4	6	− 9	5	+ 1	0·88	22	+ 6	2·4	−2·5	18	992
7. ENGLAND, N.W.	57	33	84·4	78·8	81·4	+ 1·5	36	+ 4	0	−12	6	+ 3	0·98	25	+ 13	1·8	−3·2	13	991
8. ENGLAND, S.W.	58	35	84·8	79·9	82·2	+ 1·5	46	+ 8	0	− 8	7	+ 4	1·78	45	+ 32	2·4	−3·1	18	993
9. IRELAND, NORTH ...	58	30	83·8	77·9	80·7	+ 0·6	32	− 2	3	− 8	5	+ 1	0·83	21	+ 8	3·0	−2·1	22	988
10. IRELAND, SOUTH ...	58	30	84·6	78·9	81·7	+ 0·9	39	− 1	0	− 8	6	+ 2	1·27	32	+ 18	3·3	−2·2	24	987
11. ENGLISH CHANNEL ...	60	44	85·6	81·7	83·5	+ 1·6	62	+ 18	0	− 1	6	+ 3	1·34	34	+ 24	3·7	−2·6	28	995

THE SEASON (Spring).—Aggregates, &c., for the Period of 7 Weeks, February 29th to April 17th, 1920.

0. SCOTLAND, NORTH ...	59	25	81·5	75·6	78·4	+ 1·0	126	+ 29	125	− 73	33	− 1	7·78	196	+ 30	3·3	−0·1	28	1004
Eastern.																			
1. SCOTLAND, EAST ...	61	22	81·6	75·3	78·3	+ 0·9	129	+ 6	139	− 82	33	+ 4	4·65	118	+ 25	3·0	−0·8	25	1004
2. ENGLAND, N.E.	65	24	83·1	76·5	79·8	+ 1·6	205	+ 59	79	− 89	33	+ 6	4·89	125	+ 55	2·8	−1·4	23	1007
3. ENGLAND, EAST ...	68	24	84·8	76·9	80·7	+ 2·1	283	+100	75	− 97	30	+ 6	3·51	90	+ 24	3·7	−0·6	30	1010
4. MIDLAND COUNTIES ...	67	20	84·1	76·8	80·3	+ 1·8	249	+ 57	75	−107	34	+10	5·61	142	+ 69	2·7	−1·1	22	1009
5. ENGLAND, S.E.	67	23	84·8	77·8	81·2	+ 2·0	295	+100	55	− 76	32	+ 8	3·57	91	+ 16	3·6	−0·7	30	1010
Western.																			
6. SCOTLAND, WEST ...	56	22	82·0	76·5	79·2	+ 0·9	155	+ 18	79	− 76	36	+ 7	6·75	172	+ 36	2·4	−1·5	19	1006
7. ENGLAND, N.W.	64	22	82·9	77·3	80·0	+ 1·4	192	+ 43	54	− 86	36	+10	7·02	179	+ 82	2·4	−1·6	20	1007
8. ENGLAND, S.W.	68	22	83·8	77·6	80·6	+ 1·3	240	+ 50	53	− 56	38	+12	7·33	187	+ 74	3·0	−1·3	25	1009
9. IRELAND, NORTH ...	60	23	82·8	76·2	79·4	+ 0·4	190	+ 25	91	− 37	34	+ 2	5·02	127	+ 14	3·1	−0·7	26	1005
10. IRELAND, SOUTH ...	61	28	83·5	77·0	80·1	+ 0·4	218	+ 7	64	− 33	35	+ 7	7·01	177	+ 58	3·2	−1·0	26	1007
11. ENGLISH CHANNEL ...	65	33	84·7	79·8	82·2	+ 1·4	330	+ 97	7	− 28	33	+ 5	4·47	112	+ 19	4·2	−0·9	35	1011

THE YEAR 1920.—Aggregates, &c., for the Period of 15 Weeks, January 4th to April 17th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·6	74·9	77·8	+ 1·0	188	+ 38	339	−144	77	+ 2	24·55	623	+206	2·3	−0·1	22	1004
Eastern.																			
1. SCOTLAND, EAST ...	61	19	80·8	74·5	77·7	+ 1·1	195	+ 16	400	−155	69	+ 8	9·82	249	+42	2·6	−0·2	26	1006
2. ENGLAND, N.E.	65	24	82·1	75·7	78·9	+ 1·2	348	+132	264	−177	64	+ 7	8·39	214	+67	2·6	−0·5	26	1010
3. ENGLAND, EAST ...	68	20	83·3	75·9	79·5	+ 2·0	455	+196	262	−203	57	+ 2	6·19	159	+14	3·0	−0·1	29	1014
4. MIDLAND COUNTIES ...	67	20	82·9	75·9	79·4	+ 1·9	417	+140	255	−229	67	+12	10·31	261	+94	2·4	−0·4	23	1013
5. ENGLAND, S.E.	67	17	83·5	76·9	80·2	+ 2·0	507	+212	163	−200	64	+10	7·30	187	+11	2·9	−0·2	28	1015
Western.																			
6. SCOTLAND, WEST ...	56	22	81·4	75·9	78·6	+ 0·9	267	+ 54	244	−141	80	+13	17·05	434	+94	2·0	−0·7	19	1009
7. ENGLAND, N.W.	64	22	82·3	76·6	79·4	+ 1·5	356	+127	181	−182	71	+12	13·62	346	+117	2·2	−0·6	21	1011
8. ENGLAND, S.W.	68	17	83·0	77·2	80·1	+ 1·5	444	+128	131	−157	74	+14	13·97	354	+84	2·5	−0·6	24	1014
9. IRELAND, NORTH ...	60	23	82·4	76·0	79·2	+ 0·9	383	+110	221	−100	79	+ 8	12·46	316	+50	2·5	−0·2	24	1007
10. IRELAND, SOUTH ...	61	22	83·2	77·0	80·1	+ 1·0	451	+ 80	140	−109	78	+13	14·76	373	+82	2·6	−0·5	25	1011
11. ENGLISH CHANNEL ...	65	29	83·8	79·3	81·6	+ 1·4	600	+174	20	− 85	63	− 3	8·78	220	− 7	3·4	−0·3	32	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: April 23rd, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 16.

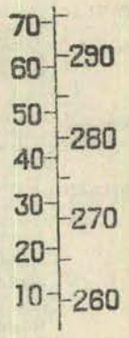
SIXTEENTH WEEK,

SUNDAY, APRIL 16TH TO SATURDAY, APRIL 24TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again of a very unsettled character. A depression passed across the country on Tuesday and Wednesday, when gales were experienced in the west and south. Associated with this disturbance thunderstorms, accompanied by hail, occurred in most parts of the United Kingdom; during the latter days of the week the weather improved somewhat. The highest of the maximum temperatures were recorded on Saturday in most districts, the absolute highest being 291 a at various places from Norwich to Margate and Bath. Minima below 272 a were registered in Scotland and England N.E. only. Over Ireland and Scotland the lowest readings of the week occurred on the earlier days and over England generally towards the close. Grass minima of about 269 a were recorded here and there in most districts, with lowest readings of about 267 a in Scotland and the north of England. The rainfall over England was much less than that of the preceding three or four weeks and the floods subsided rapidly. The total fall for the week was, however nearly double the normal except in Scotland N. and E. where it was about normal. The observer at Birmingham (Edgbaston) states that "the month has been the wettest April for 33 years." Bright sunshine was scanty in all the English and Irish districts, but the deficit over England was not so great as that of the two preceding weeks; the daily mean at Fulbeck (Lincs.) was as low as 2 hr. against 6·2 hr. at Nairn and 6·5 hr. at Gordon Castle. Solar halos were observed in different parts of the country on every day during the week, and there was a lunar halo at Oxford on the evening of the 21st; at the latter station the Zodiacal Light was seen on the 18th and 19th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	6·0	19	3·2	11	7·9	14	4·3	18	7·2	12	3·8	18	5·5	18	5·4
North	2	4·6	4	2·3	3	3·0	8	1·8	10	5·7	14	4·2	6	3·6	8	6·5
West	8	4·0	16	3·9	11	6·7	14	3·9	19	5·1	24	6·4	19	6·2	21	7·2
East	18	5·7	6	2·2	1	2·4	3	1·8	5	3·4	2	0·6	4	2·3	6	1·9
Calm	1	—	2	—	2	—	5	—	0	—	0	—	2	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ...	Moderate	Moderate	Heavy	Heavy	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate
Sunshine ...	Scanty	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 8 weeks from Feb. 29th, 1920. Warmth ...	4, 4, 0	3, 4, 1	5, 2, 1	5, 3, 0	4, 4, 0	6, 2, 0	4, 4, 0	4, 4, 0	5, 2, 1	3, 4, 1	2, 5, 1	6, 2, 0
Rainfall ...	3, 5, 0	3, 3, 2	6, 1, 1	4, 3, 1	5, 3, 0	3, 5, 0	4, 4, 0	6, 2, 0	6, 2, 0	4, 3, 1	5, 1, 2	3, 4, 1
Sunshine ...	1, 5, 2	2, 3, 3	1, 2, 5	1, 3, 4	2, 2, 4	2, 2, 4	0, 2, 6	1, 3, 4	1, 3, 4	1, 2, 5	1, 2, 5	0, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28384—19) Wt. 24—561/P 25 625 4/20 H.St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			
		Highest	Date.	Lowest.	Date.	Mean for the Week.						
						Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days	Rainfall in the Week.	Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
a, Islands .. *a* Lerwick	54	51	24th	36	18, 22	47·1	37·9	42·3	+ 0·8	5	0·35	9	- 3
p Deerness, Orkney ..	105	52	24th	38	22, 23	47·6	40·0	43·6	—	6	0·44	11	0
a Stornoway	51	—	—	—	—	—	—	—	—	—	—	—	—
a Castlebay, Barra I. ..	57	51	24th	40	18th	49·0	43·0	45·9	—	7	0·26	7	—
b, Mainland. *a* Wick	81	59	24th	34	23rd	48·4	38·0	43·0	+ 0·1	6	0·40	10	- 1
a Strathpeffer	125	58	20th	30	18th	56·0	36·9	46·6	+ 1·8	2	0·21	5	- 6
p Glencarron	500	56	19th	31	18th	51·6	38·0	44·5	+ 0·7	5	1·47	37	+ 7
a Fort Augustus	68	—	—	—	—	—	—	—	—	—	—	—	—
p Fort William	171	57	19, 20	30	18th	55·6	38·9	46·9	+ 1·8	6	1·21	31	+ 8
1. SCOTLAND, E.													
a Nairn	82	60	24th	32	18th	56·0	37·4	46·3	+ 2·3	4	0·21	5	- 3
p Gordon Castle	101	60	24th	32	23rd	55·3	39·0	46·8	+ 2·5	5	0·13	3	- 6
a Aberdeen	46	62	24th	37	23rd	51·9	40·1	45·7	+ 1·9	3	0·30	8	- 2
a Balmoral	930	55	24th	27	18th	51·6	33·6	42·2	+ 1·3	5	0·41	10	- 1
p Crieff	432	59	24th	32	18, 23	53·1	36·9	44·6	- 0·2	4	0·35	9	- 2
a Dundee	244	60	24th	33	18th	54·0	37·6	45·4	+ 1·1	4	0·42	11	+ 2
a Leith	30	60	24th	37	18th	55·6	39·7	47·3	+ 1·8	5	0·14	4	- 3
p Edinburgh	441	58	24th	38	18, 20–22	53·6	40·1	46·5	+ 2·5	3	0·15	4	- 3
a West Linton	789	55	24th	28	22nd	51·7	32·4	41·6	+ 0·2	4	0·50	13	—
p Marchmont	498	57	23rd	33	20th	53·6	35·6	44·2	+ 0·8	3	0·36	9	- 2
6. *a*, SCOTLAND, W.													
a Ford (Argyll)	149	55	24th	29	18th	51·4	37·8	44·3	—	6	1·99	51	—
p Glasgow Observatory	180	56	24th	37	18, 23	52·3	40·7	46·2	+ 1·0	7	0·44	11	- 1
p Rothesay	200	55	24th	36	18th	50·4	38·7	44·3	- 1·3	7	1·68	43	+ 27
a Kilmarnock	99	58	24th	32	23rd	54·7	38·9	46·4	+ 1·9	6	0·39	10	- 2
a Colmonell	170	58	24th	30	18th	53·0	37·3	44·8	0·0	7	1·28	33	+ 20
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—
p Dumfries	160	57	24th	35	22, 23	52·9	39·0	45·6	+ 0·1	7	0·74	19	+ 7
a Eskdalemuir	794	56	24th	30	23rd	51·6	34·4	42·6	—	5	0·67	17	—
b, I. OF MAN *p* Douglas	277	56	24th	39	18th	50·7	41·3	45·8	+ 0·4	6	1·13	29	+ 16
2. ENGLAND, N.E.													
a Alnwick Castle ..	210	—	—	—	—	—	—	—	—	4	0·43	11	+ 1
a Tynemouth	118	57	24th	34	18th	49·7	37·1	43·1	- 1·0	5	0·47	12	+ 4
p Durham	336	57	24th	29	18th	52·9	37·3	44·7	+ 0·6	5	0·36	9	+ 1
a North .. *p* Rounton	249	58	24th	31	18th	54·1	38·9	46·1	+ 2·2	6	0·73	19	+ 10
a West Witton	605	58	23rd	32	18th	52·9	38·4	45·3	—	6	0·75	19	—
p Scarborough	100	63	24th	39	22nd	53·6	41·6	47·3	+ 2·3	6	0·62	16	+ 8
p York	56	58	24th	38	22nd	54·4	41·9	47·9	+ 1·8	7	0·86	22	+ 13
b, South .. *a* Spurn Head	26	59	24th	39	22nd	52·0	41·6	46·6	+ 1·5	5	0·59	15	+ 9
a Lincoln	58	63	24th	37	22nd	55·6	41·7	48·3	+ 1·8	7	1·36	35	+ 28
a Fulbeck	180	62	24th	37	22nd	54·3	40·9	47·3	+ 1·0	7	1·00	26	+ 18
3. ENGLAND, E.													
p Cromer	196	61	24th	35	22nd	56·0	39·1	47·1	+ 1·9	7	0·22	6	+ 1
a Little Massingham ..	280	60	24th	34	22nd	54·7	39·6	46·8	+ 1·2	6	0·27	7	0
a Yarmouth	13	62	24th	36	22nd	53·7	41·9	47·5	+ 2·6	5	0·63	16	+ 9
a Norwich	93	64	24th	34	22nd	57·7	41·9	49·4	+ 3·5	5	0·31	8	+ 1
a Geldeston	37	62	24th	33	22nd	57·6	39·7	48·2	+ 2·7	5	0·41	10	+ 4
p Cambridge	41	64	23rd	31	22nd	56·6	40·6	48·2	+ 1·8	4	0·68	17	+ 11
a Clacton-on-Sea ..	54	60	24th	37	22nd	54·1	43·6	48·6	+ 3·1	5	0·63	16	+ 10
a Rothamsted	424	61	24th	33	22nd	54·1	39·6	46·5	+ 1·0	5	0·78	20	+ 13
p Tottenham	51	63	24th	39	22nd	56·0	43·6	49·5	—	3	0·70	18	—
4. MIDLAND COUNTIES.													
a Harrogate	478	57	23rd	35	18th	52·3	39·4	45·5	+ 1·4	5	1·05	27	+ 19
a North .. *p* Sheffield	429	61	24th	38	18, 20, 22	54·1	41·4	47·5	—	5	0·62	16	—
p Buxton	987	56	23, 24	32	18th	50·0	39·4	44·5	—	7	1·35	34	+ 21
a Worksop	56	63	24th	36	22nd	56·6	41·3	48·6	+ 2·8	5	0·69	18	+ 11
a Nottingham	82	61	24th	36	22nd	55·0	40·9	47·6	+ 1·6	5	0·75	19	+ 12
b, East .. *p* Birmingham, Edgbas.	535	62	23, 24	37	20th	54·4	41·6	47·7	+ 1·9	7	1·15	29	+ 21
a Raunds	203	62	24th	34	22nd	56·0	40·1	47·7	+ 1·4	4	0·60	15	+ 8
p Oxford	208	61	23rd	38	20, 22	54·9	42·4	48·4	+ 1·4	4	0·58	15	+ 8
a Cheadle (N. Staffs.) ..	646	58	23rd	36	20, 22	52·0	40·4	45·9	+ 1·2	5	0·89	23	+ 14
c, West .. *p* Tenbury	313	64	23rd	37	20th	55·6	41·6	48·3	+ 2·4	4	0·50	13	+ 6
a Hereford	291	63	23, 24	36	20th	55·9	40·4	47·8	+ 1·1	4	0·48	12	+ 4
a Clifton	220	61	23rd	39	20th	54·7	43·4	48·8	+ 1·0	6	0·76	19	+ 7
5. ENGLAND, S.E.													
a Marlborough	424	62	23rd	35	22nd	54·6	39·7	46·8	+ 1·6	6	1·00	25	+ 15
p Salisbury (Wilton) ..	180	64	24th	37	22nd	56·3	40·1	47·8	+ 1·3	4	0·77	20	+ 9
a Wisley, Surrey ..	150	63	24th	37	22nd	56·0	42·0	48·7	+ 2·1	4	0·65	17	+ 10
a Tunbridge Wells ..	354	61	24th	34	22nd	55·0	40·0	47·1	+ 0·6	5	0·69	18	+ 9
a Margate	51	65	24th	39	22nd	57·4	43·6	50·2	+ 3·4	3	0·35	9	+ 2
a Dungeness	21	56	24th	34	22nd	53·7	41·7	47·4	+ 1·4	4	0·35	9	+ 2
p St. Leonards	178	57	24th	40	21, 22	53·9	43·0	48·2	+ 1·4	5	0·64	16	+ 8
p Southampton	64	64	23rd	37	22nd	55·6	41·9	48·4	+ 0·1	5	0·74	19	+ 10
a Ventnor	59	59	23rd	41	20th	54·9	44·6	49·5	+ 1·6	4	0·74	19	+ 11
LONDON. *a* Richmond (Kew Obs.)	18	63	24th	37	22nd	56·4	42·7	49·2	+ 2·1	4	0·68	17	+ 10
a Westminster	27	65	24th	37	22nd	57·5	42·7	49·7	+ 2·7	3	0·54	14	+ 7
ag Greenwich	149	66	24th	35	22nd	57·4	41·3	49·0	+ 1·7	4	0·58	15	+ 7
a Hampstead	450	62	24th	37	22nd	54·3	41·4	47·5	—	4	0·75	19	—
ag Camden Square ..	110	65	23, 24	37	22nd	58·1	42·4	49·9	+ 1·5	4	0·76	20	+ 12
7. *a*, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	54	18, 23, 24	34	23rd	51·4	39·0	44·9	+ 0·1	6	0·44	11	0
p Newton Rigg	559	56	23, 24	34	22, 23	53·7	37·0	45·0	+ 1·1	4	0·41	11	+ 1
p Stonyhurst	375	57	19, 20, 23	37	18th	54·1	41·1	47·3	+ 2·4	7	0·87	22	+ 9
p Blackpool	66	56	18th	39	20th	52·0	42·0	46·8	+ 1·3	7	1·33	34	+ 25
a Southport	37	57	18th	38	18th	52·6	42·0	47·1	+ 1·3	7	1·00	25	+ 16
a Liverpool (Bidston) ..	188	58	24th	38	20th	53·0	41·3	46·9	+ 0·5	7	0·87	22	+ 14
a Hawarden Bridge ..	22	58	24th	38	19th	54·6	43·1	48·6	+ 1·5	5	0·69	18	+ 11
p Manchester (Whit. Pk.)	125	58	24th	37	18th	54·3	43·1	48·4	+ 1·5	5	0·76	19	+ 10
b NORTH WALES.													
p Llandudno	16	58	18th	40	20th	54·1	43·6	48·6	+ 1·7	6	0·46	12	+ 3
a Holyhead	15	53	21st	40	20th	51·3	42·0	46·4	+ 0·1	7	0·95	24	+ 14
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—
a Aberdovey	22	56	23rd	40	20th	51·7	44·3	47·8	—	6	0·97	25	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
				Grass Min.		Earth 1 ft.		Earth 4 ft.	
	Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	hr.	hr.	%		°F.	°F.	°F	°F	°F
Deerness ..	3·2	- 2·1	22	•	•	•	•	•	•
Stornoway ..	—	—	—	•	•	•	•	•	•
Castlebay ..	4·7	—	32	•	•	•	•	•	•
Nairn	6·2	—	43	•	•	•	•	•	•
Gordon Castle ..	6·5	—	45	•	•	•	•	•	•
Aberdeen ..	4·8	- 0·6	33	2	29	•	•	•	•
Balmoral ..	•	•	•	4	23	•	•	43·1	+0·4
Crathes	5·8	+ 0·7	40	4	24	45·6	+1·7	•	•
Dundee	5·0	—	35	5	27	45·4	•	43·1	+0·7
Leith	•	•	•	1	30	•	•	•	•
Edinburgh ..	4·4	- 0·3	30	3	27	•	•	•	•
West Linton ..	3·6	—	25	3	24	•	•	•	•
Marchmont ..	4·5	- 0·5	31	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	2	21	46·0	—	43·9	—
Glasgow	3·5	- 0·8	24	3	25	•	•	•	•
Rothesay	3·7	—	26	3	27	45·4	—	44·9	+0·2
Kilmarnock ..	4·5	—	31	•	•	46·0	—	44·8	—
Colmonell ..	•	•	•	2	26	•	•	•	•
Dumfries ..	3·5	—	25	3	27	46·0	0·0	44·6	-0·3
Eskdalemuir ..	4·3	—	30	6	22	•	•	•	•
Douglas	2·8	- 3·3	20	0	35	•	•	•	•
Cockle Park ..	4·5	- 0·3	31	3	29	—	—	43·8	+0·3
Durham	4·0	- 0·6	28	5	23	•	•	•	•
Rounton	•	•	•	3	20	46·3	•	•	•
West Witton ..	•	•	•	3	26	44·6	—	42·9	—
Scarborough† ..	4·2	- 1·0	30	•	•	•	•	46·6	—
York	2·4	- 2·2	17	—	—	46·8	+1·0	45·4	+1·0
Spurn Head ..	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	0	32	48·1	+2·0	46·7	+2·2
Fulbeck	2·0	- 3·4	14	•	•	—	—	—	—
Skegness ..	2·4	- 3·3	17	•	•	—	—	—	—
Cromer	3·8	- 1·9	27	•	•	•	•	•	•
Lit. Massingham	2·8	- 2·6	20	•	•	•	•	•	•
Yarmouth ..	4·1	—	30	0	32	50·3	+1·6	49·0	+1·4
Norwich ..	3·4	—	25	1	29	50·1	•	•	•
Geldeston ..	3·7	- 2·1	26	•	•	•	•	•	•
Cambridge ..	2·9	- 2·7	21	0	31	50·1	+3·1	49·1	+2·3
Clacton	3·6	- 2·5	26	0	32	50·1	+2·4	49·6	+2·1
Rothamsted ..	3·0	- 2·3	22	3	28	47·5	•	•	•
Tottenham ..	2·6	—	19	0	36	•	•	48·8	+2·0
S'thend-on-Sea	3·3	—	23	0	38	50·7	—	—	—
Harrogate ..	2·9	- 2·3	21	1	30	45·1	+1·1	44·8	+1·0
Sheffield	2·8	- 1·9	20	3	39	45·8	+1·0	44·4	+1·1
Buxton	2·4	—	17	2	27	44·0	-0·9	43·3	+0·3
Worksop	2·5	- 2·1	18	1	28	48·3	—	46·5	—
Nottingham ..	2·7	- 2·3	19	1	25	47·5	+1·4	46·0	+2·2
Birmingham ..	2·4	- 1·6	17	0	33	45·2	+0·8	45·4	+0·8
Raunds	2·6	—	19	1	30	49·9	—	46·9	—
Oxford	2·7	- 2·5	19	0	31	•	•	•	•
Malvern	2·7	—	19	0	34	48·2	—	47·3	—
Cheadle	•	•	•	0	31	•	•	•	•
Tenbury	•	•	•	0	33	48·1	—	—	—
Ross-on-Wye ..	3·2	—	23	0	33	—	—	—	—
Clifton	3·2	—	23	0	37	—	—	—	—
Worthing ..	3·4	- 2·8	24	0	32	50·9	+1·9	49·7	+2·4
Marlborough ..	2·1	- 2·8	15	0	31	48·2	—	48·0	—
Salisbury ..	•	•	•	0	32	50·0	•	•	•
Wisley	2·5	- 2·9	18	3	25	49·4	+2·2	48·3	+2·1
Tunbridge Wells	2·6	- 3·2	18	2	24	48·8	—	48·2	—
Margate	3·4	- 2·3	25	0	32	50·2	+2·9	49·9	+3·5
Folkestone ..	3·1	—	22	•	•	•	•	48·0	—
St. Leonards ..	3·6	- 2·6	26	0	34	51·1	—	49·2	—
Southampton ..	3·3	- 2·6	24	1	27	•	•	•	•
Ventnor	3·3	- 2·9	24	•	•	•	•	•	•
Richmond ..	2·9	- 2·4	21	2	27	49·1	+1·7	48·7	+2·3
Westminster ..	2·4	- 2·1	17	0	31	•	•	•	•
Greenwich ..	2·4	- 2·6	17	0	32	•	•	•	•
Hampstead ..	3·0	—	21	0	31	•	•	•	•
Camden Square	—	—	—	0	31	•	•	•	•
Aspatria	3·7	- 1·7	26	1	29	45·9	-1·1	44·8	-0·2
Newton Rigg ..	4·3	- 1·0	30	5	26	—	—	—	—
Stonyhurst ..	3·0	- 2·2	21	1	30	•	•	•	•
Blackpool ..	3·4	- 2·7	24	0	36	46·7	—	46·0	—
Southport ..	3·4	- 2·5	24	0	31	47·9	+0·1	47·2	+1·0
Hoylake	3·8	- 1·9	27	0	•	•	•	•	•
Liverpool	2·9	—	21	0	34	•	•	•	•
Manchester (City)	2·7	- 1·9	19	0	33	45·4	+0·4	46·5	+1·4
Whitworth Park	2·8	- 1·3	20	•	•	•	•	•	•
Llandudno ..	3·5	- 2·6	25	•	•	•	•	•	•
Holyhead ..	3·8	—	27	0	38	•	•	•	•
Aberdovey ..	2·4	- 3·4	17	•	•	•	•	•	•

† Earth temperature at 3 feet.

(29391) Wt. 24—S.O.P.561/P25 626 12/19 H.W., H. G 17/37

WEEKLY WEATHER REPORT, 1919. VALUES FOR THE WHOLE YEAR.

Forty-second Year. VOL. XXXVI. [*New Series.*] } APPENDIX I. YEAR.

A COOL YEAR; DRY IN THE WEST, BUT WET IN THE EAST.

[*Price 4d.*

SUMMARY OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE DURING THE THIRTY-NINE YEARS, 1881–1919.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881–1915.

YEARS.	0. SCOTLAND, N.			Eastern Districts. 1. SCOTLAND, E.			2. ENGLAND, N.E.			3. ENGLAND, E.			4. MIDLAND COUNTIES.			5. ENGLAND, S.E.			DISTRICTS 1-5.			Western Districts. 6. SCOTLAND, W.			7. ENGLAND, N.W. AND N. WALES.			8. S. WALES AND ENGLAND, S.W.			9. IRELAND, N.			10. IRELAND, S.			DISTRICTS 6-10.			11. ENGLISH CHANNEL.			DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%		mm.	%
LUSTRA.* 1881-1885 ..	241	*1250*	*95*	198	*846*	*107*	188	648	103	187	*660*	*109*	186	737	109	177	696	99	187	716	105	216	*1285*	*106*	198	930	104	211	1034	104	236	980	101	217	1059	104	216	1057	104	222	859	102	202	886	104
1886-1890 ..	251	*1278*	97	203	737	93	187	632	100	184	*574*	*95*	176	650	96	177	681	97	185	655	96	207	1163	96	197	846	94	200	950	95	223	963	99	204	983	97	206	980	96	217	813	97	196	818	96
1891-1895 ..	244	1339	101	196	772	98	190	630	100	184	*610*	*101*	178	640	94	174	701	99	184	671	98	206	1156	95	196	892	91	191	975	98	225	919	95	200	993	98	204	988	97	200	838	100	194	831	98
1896-1900 ..	248	1417	107	209	810	103	183	635	101	173	*559*	*92*	172	653	96	161	643	91	180	660	97	225	*1245*	*103*	198	917	102	194	996	100	235	1006	104	206	1092	107	212	1049	103	204	800	95	196	856	101
1901-1905 ..	255	*1356*	*103*	213	759	96	177	597	95	170	*569*	*94*	175	660	97	174	699	99	182	658	97	218	*1278*	*105*	202	838	94	194	950	95	247	996	102	215	991	97	215	1008	99	219	836	102	199	833	98
1906-1910 ..	257	1285	97	210	820	104	192	620	98	186	617	102	189	699	103	182	726	103	192	696	102	217	1229	102	213	953	106	208	1006	101	244	988	102	240	963	94	224	1029	101	201	800	95	208	864	102
1911-1915 ..	237	1285	97	201	791	100	187	650	103	184	651	107	174	717	106	171	794	113	183	721	106	208	1107	92	193	904	101	198	1083	108	222	942	97	229	1081	106	210	1023	100	200	936	111	197	872	102
35 years normal ..	**248**	**1316**	—	**204**	**791**	—	**186**	**630**	—	**181**	**606**	—	**179**	**679**	—	**174**	**706**	—	**185**	**682**	—	**214**	**1209**	—	**200**	**897**	—	**199**	**999**	—	**233**	**971**	—	**216**	**1023**	—	**212**	**1019**	—	**209**	**840**	—	**199**	**851**	—
1913	236	1311	100	195	681	86	180	559	89	176	536	89	178	671	99	169	688	98	180	627	92	217	1095	89	203	876	98	204	1008	101	235	1001	103	237	1125	110	219	1021	100	203	818	97	200	823	97
1914	240	1334	101	197	815	103	183	625	99	183	643	106	177	721	106	174	833	118	183	729	107	208	1110	90	192	919	103	200	1148	115	221	960	99	228	1125	110	210	1052	103	199	1003	119	197	892	105
1915	231	1074	81	199	860	109	186	679	108	185	736	121	164	753	111	159	904	128	178	786	115	191	1002	82	174	846	94	189	1102	111	221	892	92	231	1074	105	199	983	96	188	949	113	189	885	106
1916	255	1440	109	226	1065	135	199	718	114	194	713	118	194	752	111	187	860	122	200	822	121	236	1208	100	210	940	105	204	1090	109	248	1038	107	251	1148	113	230	1085	106	212	940	112	215	954	112
1917	257	1405	107	198	766	97	179	603	96	174	628	104	178	673	99	168	737	104	179	682	100	216	1165	97	187	849	95	183	900	90	240	994	102	225	905	89	210	963	95	194	779	93	195	823	97
1918	250	1383	105	208	777	98	191	637	101	188	675	111	189	734	108	183	751	106	193	715	105	231	1320	109	203	1002	112	206	1035	104	237	994	102	235	1122	110	222	1095	108	201	773	92	209	905	106
1919	237	1166	89	200	767	97	199	681	108	186	650	107	180	735	108	177	728	103	189	712	104	203	1076	88	192	807	90	193	974	97	227	906	93	213	844	83	205	922	90	206	987	118	198	818	97

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Investigation having shown that in some districts the effects of changes in the lists of stations were considerable, the earlier figures were revised in 1907 to make them comparable with the current ones. All values revised are shown in italic type.

NOTE.—The values for years prior to 1914 are for the periods of 52 weeks coinciding most nearly with the Calendar Year. From 1914 the values refer to the year January 1st to December 31st.

TABLE II.—Mean Temperature in Degrees Absolute and Deviation from the Normal for the 35 years, 1881-1915.

Years.	0. Scotland, N.	Eastern Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	Districts, 1-5.	Western Districts. 6. Scotland, W.	7. England, N.W. and N. Wales.	8. S. Wales and England, S.W.	9. Ireland, N.	10. Ireland, S.	Districts, 6-10.	11. English Channel.	Districts 1-10 combined.
	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.	Mean / Devn.
	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.	a. / a.
Lustra.* 1881-1885 ..	*280·4* / *- 0·1*	*280·6* / *- 0·1*	281·5 / - 0·1	282·1 / - 0·1	281·9 / 0·0	282·8 / 0·0	281·8 / 0·0	*281·4* / *- 0·2*	281·9 / - 0·2	282·7 / 0·0	281·8 / - 0·1	282·6 / - 0·2	282·1 / - 0·1	283·8 / - 0·3	281·9 / - 0·1
1886-1890 ..	*280·3* / *- 0·2*	280·6 / - 0·1	281·1 / - 0·5	281·4 / - 0·8	281·4 / - 0·5	282·2 / - 0·6	281·3 / - 0·5	281·3 / - 0·3	281·6 / - 0·5	282·3 / - 0·4	281·7 / - 0·2	282·5 / - 0·3	281·9 / - 0·3	283·6 / - 0·5	281·6 / - 0·4
1891-1895 ..	280·4 / - 0·1	280·4 / - 0·3	281·3 / - 0·3	281·8 / - 0·4	281·7 / - 0·2	282·7 / - 0·1	281·6 / - 0·2	281·4 / - 0·2	282·0 / - 0·1	282·6 / - 0·1	281·8 / - 0·1	282·6 / - 0·2	282·1 / - 0·1	284·1 / 0·0	281·9 / - 0·1
1896-1900 .	280·8 / + 0.3	281·0 / + 0·3	281·9 / + 0·3	282·5 / + 0·3	282·3 / + 0·4	283·4 / + 0·6	282·2 / + 0·4	281·9 / + 0·3	282·6 / + 0·5	283·3 / + 0·6	282·3 / + 0·4	283·2 / + 0·4	282·7 / + 0·5	284·8 / + 0·7	282·4 / + 0·4
1901-1905 ..	*280·6* / *+ 0·1*	280·6 / - 0·1	281·7 / + 0·1	282·3 / + 0·1	281·8 / - 0·1	282·7 / - 0·1	281·8 / 0·0	281·5 / - 0·1	282.0 / - 0·1	282·7 / 0·0	281·9 / 0·0	282·8 / 0·0	282·2 / 0·0	284·1 / 0·0	282·0 / 0·0
1906-1910 ..	280·5 / 0·0	280·6 / - 0·1	281·7 / + 0·1	282·3 / + 0·1	281·9 / 0·0	282·6 / - 0·2	281·8 / 0·0	281·6 / 0·0	281·9 / - 0·2	282·5 / - 0·2	281·9 / 0·0	282·9 / + 0·1	282·1 / - 0·1	284·1 / 0·0	282·0 / 0·0
1911-1915 ..	280·8 / + 0·3	280·8 / + 0·1	282 0 / + 0·4	282·8 / + 0·6	282·4 / + 0·5	283·2 / + 0·4	282·2 / + 0·4	281·8 / + 0·2	282·4 / + 0·3	283·0 / + 0·3	282·1 / + 0·2	282·9 / + 0·1	282·4 / + 0·2	284·4 / + 0·3	282·3 / + 0·3
35 years normal ..	**280·5** / —	**280·7** / —	**281·6** / —	**282·2** / —	**281·9** / —	**282·8** / —	**281·8** / —	**281·6** / —	**282·1** / —	**282·7** / —	**281·9** / —	**282·8** / —	**282·2** / —	**284·1** / —	**282·0** / —
1913	281·1 / + 0·6	281·0 / + 0·3	282·1 / + 0·5	282·9 / + 0·7	282·4 / + 0·5	283·4 / + 0·6	282·3 / + 0·5	281·9 / + 0·3	282·6 / + 0·5	283·2 / + 0·5	282·1 / + 0·2	282·8 / 0·0	282·5 / + 0·3	284·4 / + 0·3	282·4 / + 0·4
1914	281·1 / + 0·6	281·1 / + 0·4	282·6 / + 1·0	283·1 / + 0·9	282·7 / + 0·8	283·4 / + 0·6	282·6 / + 0·8	282·1 / + 0·5	282·7 / + 0·6	283·2 / + 0·5	282·3 / + 0·4	283·1 / + 0·3	282·7 / + 0·5	284·5 / + 0·4	282·6 / + 0·6
1915	280·3 / - 0·2	280·1 / - 0·6	281·4 / - 0·2	282·2 / 0·0	281·8 / - 0·1	282·6 / - 0·2	281·6 / - 0·2	281·1 / - 0·5	281·7 / - 0·4	282·4 / - 0·3	281·6 / - 0·3	282·5 / - 0·3	281·9 / - 0·3	283·9 / - 0·2	281·8 / - 0·2
1916	280·7 / + 0·2	280·4 / - 0·3	281·8 / + 0·2	282·3 / + 0·1	281·9 / 0·0	282·8 / 0·0	281·8 / 0·0	281·7 / + 0·1	282·2 / + 0·1	282·8 / + 0·1	281·9 / 0·0	282·8 / 0·0	282·3 / + 0·1	284·1 / 0·0	282·1 / + 0·1
1917	280·3 / - 0.2	280·1 / - 0·6	281·2 / - 0·4	281·7 / - 0·5	281·5 / - 0·4	282·1 / - 0·7	281·3 / - 0·5	281·2 / - 0·4	281·6 / - 0·5	281·9 / - 0·8	281·5 / - 0·4	282·3 / - 0·5	281·7 / - 0·5	283·4 / - 0·7	281·5 / - 0·5
1918	280·6 / + 0·1	280·6 / - 0·1	282·1 / + 0·5	282·5 / + 0·3	282·5 / + 0·6	223·1 / + 0·3	282·2 / + 0·4	281·8 / + 0·2	282·5 / + 0·4	283·1 / + 0·4	282·3 / + 0·4	283·2 / + 0·4	282·6 / + 0·4	284·4 / + 0·3	282·4 / + 0·4
1919	279·9 / - 0·6	279·9 / - 0·8	281·1 / - 0·5	281·5 / - 0·7	281·4 / - 0·5	282·2 / - 0·6	281·2 / - 0·6	280·9 / - 0·7	281·5 / - 0·6	282·2 / - 0·5	281·5 / - 0·4	282·4 / - 0·4	281·7 / - 0·5	283·7 / - 0·4	281·5 / - 0·5

The mean temperature is calculated from the observed maximum and minimum readings by applying a correction as detailed in the Guide to the Tables of the Weekly Weather Report.

TABLE III.—Bright Sunshine, in Thousand-hours, and Daily Means, with Percentages of the Normal for the 35 Years. 1881-1915.

Years.	0. Scotland, N.	Eastern Districts. 1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	Districts, 1-5.	Western Districts. 6. Scotland, W.	7. England, N.W. and N. Wales.	8. S. Wales and England, S.W.	9. Ireland, N.	10. Ireland, S.	Districts, 6-10.	11. English Channel.	Districts 1-10 combined.
	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.	Th.-hrs. / Daily Mean. / P.c. of normal.
	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %	h. / h. / %
Lustra.* 1881-1885 ..	*1·08* / 3·0 / *97*	*1·33* / 3·6 / *100*	*1·41* / 3·8 / *97*	1·54 / 4·2 / 97	1·39 / 3·8 / 99	*1·54* / 4·2 / *95*	1·44 / 3·9 / 97	1·33 / 3·6 / 98	1·32 / 3·6 / 92	*1·51* / 4·1 / *96*	1·26 / 3·5 / 98	1·45 / 4·0 / 101	1·37 / 3·8 / 98	1·89 / 5·2 / 102	1·41 / 3·8 / 97
1886-1890 ..	*0·99* / 2·7 / *89*	*1·28* / 3·5 / *97*	*1·35* / 3·7 / *95*	1·48 / 4·1 / 94	1·32 / 3·6 / 94	1·45 / 4·0 / 90	1·38 / 3·8 / 93	1·32 / 3·6 / 97	1·29 / 3·5 / 90	*1·48* / 4·0 / *94*	1·20 / 3·3 / 94	1·43 / 3·9 / 99	1·34 / 3·7 / 95	1·84 / 5·0 / 98	1·36 / 3·7 / 94
1891-1895 ..	*1·15* / 3·1 / *103*	*1·40* / 3·9 / *106*	*1·52* / 4·2 / *108*	1·59 / 4·4 / 101	1·49 / 4·1 / 106	1·70 / 4·6 / 105	1·54 / 4·2 / 104	1·42 / 3·9 / 104	*1·38* / 3·8 / *97*	*1·64* / 4·5 / *104*	1·33 / 3·6 / 104	1·47 / 4·0 / 102	1·45 / 4·0 / 103	2·02 / 5·5 / 108	1·50 / 4·1 / 103
1896-1900 ..	*1·17* / 3·2 / *106*	*1·35* / 3·7 / *102*	*1·44* / 3·9 / *100*	1·64 / 4·5 / 104	1·46 / 4·0 / 104	1·71 / 4·7 / 106	1·52 / 4·2 / 103	1·34 / 3·7 / 99	1·48 / 4·0 / 103	*1·65* / 4·5 / *105*	1·31 / 3·6 / 102	1·49 / 4·1 / 103	1·45 / 4·0 / 103	1·94 / 5·3 / 104	1·49 / 4·0 / 103
1901-1905 ..	1·15 / 3·1 / 103	1·28 / 3·5 / 96	*1·49* / 4·1 / *105*	1·63 / 4·4 / 103	1·37 / 3·7 / 97	*1·60* / 4·4 / *99*	1·47 / 4·0 / 100	1·38 / 3·8 / 101	1·49 / 4·0 / 103	*1·52* / 4·2 / *97*	1·29 / 3·5 / 101	1·40 / 3·8 / 97	1·42 / 3·9 / 101	1·80 / 4·9 / 96	1·45 / 4·0 / 100
1906-1910 ..	1·14 / 3·1 / 103	1·34 / 3·7 / 101	1·45 / 4·0 / 103	1·61 / 4·4 / 102	1·43 / 3·9 / 101	1·70 / 4·7 / 105	1·51 / 4·1 / 102	1·36 / 3·7 / 100	1·47 / 4·0 / 103	1·62 / 4·4 / 103	1·29 / 3·5 / 101	1·42 / 3·9 / 99	1·43 / 3·9 / 101	1·87 / 5·1 / 100	1·47 / 3·9 / 101
1911-1915 ..	1·11 / 3·0 / 100	1·29 / 3·5 / 97	1·40 / 3·8 / 97	1·57 / 4·3 / 100	1·36 / 3·7 / 97	1·65 / 4·6 / 104	1·45 / 4·0 / 100	1·34 / 3·7 / 100	1·45 / 4·0 / 103	1·54 / 4·2 / 98	1·28 / 3·5 / 100	1·42 / 3·9 / 98	1·41 / 3·9 / 100	1·76 / 4·9 / 96	1·43 / 3·9 / 98
35 years normal ..	**1·11** / **3·0** / —	**1·32** / **3·6** / —	**1·44** / **3·9** / —	**1·58** / **4·3** / —	**1·40** / **3·8** / —	**1·62** / **4·4** / —	**1·47** / **4·0** / —	**1·36** / **3·7** / —	**1·41** / **3·9** / —	**1·57** / **4·3** / —	**1·28** / **3·5** / —	**1·44** / **4·0** / —	**1 41** / **3·9** / —	**1·87** / **5·1** / —	**1·44** / **4·0** / —
1913	1·02 / 2·8 / 91	1·22 / 3·3 / 91	1·29 / 3·5 / 90	1·43 / 3·9 / 91	1·19 / 3·2 / 85	1·47 / 4·0 / 91	1·32 / 3·6 / 91	1·22 / 3·3 / 89	1·32 / 3·7 / 95	1·42 / 3·9 / 90	1·20 / 3·3 / 94	1·31 / 3·6 / 91	1·29 / 3·5 / 92	1·63 / 4·5 / 88	1·31 / 3·6 / 92
1914	1·08 / 3·0 / 100	1·38 / 3·8 / 106	1·52 / 4·2 / 108	1·68 / 4·6 / 107	1·46 / 4·1 / 108	1·80 / 4·9 / 111	1·57 / 4·3 / 107	1·31 / 3·7 / 100	1·49 / 4·1 / 105	1·62 / 4·5 / 105	1·27 / 3·5 / 100	1·45 / 4·0 / 100	1·43 / 4·0 / 103	1·78 / 4·9 / 96	1·50 / 4·2 / 105
1915	1·16 / 3·2 / 105	1·34 / 3·7 / 101	1·48 / 4·0 / 103	1·58 / 4·3 / 98	1·42 / 3·9 / 100	1·59 / 4·4 / 98	1·48 / 4·0 / 100	1·47 / 4·0 / 109	1·57 / 4·3 / 110	1·56 / 4·3 / 100	1·31 / 3·6 / 103	1·46 / 4·0 / 102	1·48 / 4·1 / 105	1·77 / 4·9 / 96	1·48 / 4·0 / 102
1916	0·91 / 2·5 / 84	1·11 / 3·1 / 85	1·21 / 3·4 / 86	1·29 / 3·6 / 83	1·19 / 3·3 / 86	1·45 / 4·0 / 89	1·24 / 3·5 / 88	1·25 / 3·5 / 94	1·23 / 3·5 / 90	1·43 / 4·1 / 96	1·14 / 3·1 / 89	1·30 / 3·6 / 92	1·28 / 3·6 / 92	1·74 / 4·8 / 94	1·26 / 3·6 / 89
1917	1·11 / 3·1 / 101	1·32 / 3·6 / 100	1·38 / 3·9 / 98	1·58 / 4·4 / 102	1·31 / 3·7 / 95	1·60 / 4·4 / 100	1·45 / 4·0 / 99	1·29 / 3·6 / 96	1·35 / 3·8 / 98	1·53 / 4·2 / 99	1·20 / 3·3 / 95	1·33 / 3·7 / 93	1·34 / 3·7 / 96	1·77 / 4·9 / 96	1·40 / 3·9 / 98
1918	1·06 / 3·0 / 98	1·26 / 3·5 / 97	1·39 / 3·9 / 98	1·55 / 4·3 / 99	1·35 / 3·8 / 98	1·63 / 4·5 / 101	1·44 / 4·0 / 99	1·31 / 3·6 / 98	1·43 / 3·9 / 102	1·60 / 4·5 / 104	1·29 / 3·6 / 102	1·46 / 4·1 / 103	1·42 / 3·9 / 102	1·95 / 5·4 / 105	1·43 / 4·0 / 100
1919	1·11 / 3·1 / 101	1·39 / 3·8 / 105	1·37 / 3·8 / 96	1·50 / 4·2 / 96	1·38 / 3·8 / 100	1·53 / 4·3 / 96	1·44 / 4·0 / 98	1·46 / 4·1 / 109	1·42 / 3·9 / 101	1·62 / 4·2 / 99	1·36 / 3·8 / 107	1·48 / 4·1 / 104	1·46 / 4·1 / 105	1·77 / 4·9 / 96	1·45 / 4·0 / 102

* The values for each year from 1878 (1881 for Sunshine) to 1910 are published in Appendix I. to the Weekly Weather Report for 1910.

Meteorological Office, South Kensington, London, S.W. 7.
23rd April, 1920.

NAPIER SHAW,
Director.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	m/m.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																						
a Aberystwyth	59	53	19, 22	39	18, 20	51·1	42·9	46·8	—	7	0·59	15	—									
a Rhayader	767	—	—	—	—	—	—	—	—	—	—	—	—									
a St. Ann's Head	149	52	23rd	41	18th	50·1	43·6	46·7	+ 0·6	5	0·71	18	+ 8									
p Cardiff	202	59	23rd	37	20th	53·3	43·0	47·9	+ 1·4	6	0·82	21	+ 9									
b. ENGLAND, S.W.																						
a Bath	86	65	23rd	39	20th	57·5	42·7	49·7	+ 2·7	5	0·63	16	+ 6									
a Shaftesbury	722	61	23rd	35	20th	53·9	40·0	46·6	+ 1·0	4	0·52	13	+ 3									
a Arlington	613	55	23rd	37	20th	50·6	41·7	45·9	+ 0·4	6	1·28	33	+ 18									
a Newquay	190	55	18th	42	20th	52·5	45·2	48·7	+ 1·2	6	0·81	21	+ 12									
a Cullompton	202	62	23rd	37	20th	57·0	41·4	48·8	+ 1·7	5	1·11	28	+ 17									
a Portland Bill	19	56	24th	41	21st	53·3	44·9	48·9	+ 2·0	4	0·28	7	- 1									
p Plymouth	116	59	23rd	41	20, 21	54·4	45·3	49·6	+ 1·5	5	0·77	20	+ 9									
a Falmouth	167	57	22-24	40	18, 20	54·2	43·1	48·7	+ 1·1	5	1·05	27	+ 15									
9. IRELAND, N.																						
a West: a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany	—	—	—	—	—	—	—	—
a West: a Malin Head	208	52	19, 24	36	18th	50·1	39·4	44·5	- 1·1	5	0·43	·11	0	Malin Head	4·3	—	30	•	•	•	•	•
a West: a Blacksod Point	37	55	24th	36	19th	51·7	40·1	45·6	- 1·5	7	1·08	27	+ 11	Markree Castle	3·1	- 1·8	22	3	27	47·8	-0·9	46·8	+0·5
a West: p Markree Castle	122	61	24th	33	19, 22	53·7	36·9	44·9	- 1·0	7	1·22	31	+ 16									
b. East: p Armagh	196	60	24th	36	23rd	54·7	39·7	46·8	+ 0·8	7	1·02	26	+ 14	Armagh	3·3	- 1·5	23	1	27	47·0	-0·1	46·2	+0·4
b. East: a Donaghadee	39	62	24th	33	18th	51·6	37·9	44·4	- 1·6	6	0·59	15	+ 3									
10. IRELAND, S.																						
p Dublin, City	47	59	22nd	37	18th	55·3	42·3	48·5	+ 0·6	7	0·39	10	0	Trinity Coll.	3·4	—	24	1	25	48·5	+0·5	48·0	+1·1
a Birr Castle	175	56	23rd	31	18th	53·9	37·1	45·1	- 1·2	7	1·00	25	+ 14	Phœnix Park	3·7	- 1·6	26	5	20	•	•	•	•
a Kilkenny	195	59	23rd	38	18th	54·9	42·4	48·4	+ 1·6	7	0·65	16	+ 5	Dublin City	•	•	1	30	•	•	•	•	•
a Waterford	137	61	24th	37	18th	54·4	42·0	47·9	+ 0·2	5	1·07	27	+ 14	Birr Castle	2·7	- 2·2	19	2	27	•	•	•	•
p Seskin, Carrick-on-Suir	535	59	23, 24	35	18th	54·0	40·1	46·7	—	7	1·10	28	—	Seskin	3·4	—	25	1	29	•	•	•	•
a Cahir	198	59	24th	33	18th	54·3	39·7	46·7	- 0·2	7	1·05	27	—									
a Foynes	50	55	18, 22, 24	37	18th	53·0	41·7	47·1	- 0·7	7	1·23	31	+ 18									
a Cahirciveen (Val. Obs.)	30	55	18th	37	18th	52·4	41·4	46·6	- 1·6	5	1·65	42	+ 24	Cahirciveen	2·9	- 2·2	21	0	36	•	•	•	•
a Killarney	174	59	23rd	38	18th	55·7	42·7	48·9	+ 1·1	7	1·23	31	+ 14	Ballinacurra	4·2	- 1·2	30	•	•				
a Roche's Point	32	58	22, 24	39	18th	53·9	42·0	47·7	- 0·1	6	0·88	22	+ 8									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's	131	56	23rd	41	20th	53·6	45·4	49·3	+ 0·9	7	0·54	14	+ 5	Scilly	5·4	- 0·8	39	•	•	•	•	•	•
a Jersey, St. Aubins	25	58	23rd	42	24th	54·7	45·1	49·7	+ 0·6	3	0·36	9	- 1	St. Heliers	4·5	- 2·1	32	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	57	19, 23, 24	43	21st	55·1	46·4	50·5	+ 1·4	5	0·40	10	0	Guernsey†	5·6	- 1·0	41	0	36	51·2	+1·2	51·0	+2·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, April 24th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	—	—	18 to 20	45	64	53	6	0	150	16	19	7	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	12	92	64	0	90	6	19	22	14	19	23	5
Aberdeen	153	105	52	—	—	—	—	31	119	18	0	150	10	19	22	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	45	103	20	0	270	11	24	16	18	24	15	30
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	24	5	77	53	33	0	240	13	24	13	19	24	12	45
Paisley	188	81	15	—	—	—	—	46	104	18	0	270	10	24	15	22	24	19	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	21	86	61	0	140	7	19	15	15	19	15	10
South Shields	72	81	12	—	—	—	—	44	110	14	0	280	10	24	13	16	24	12	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	19 to 21	15	74	68	11	0	210	17	20	13	25	20	12	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	20	8	58	64	38	0	250	13	20	15	22	20	15	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	20	11	56	57	44	0	—	13	20	20	24	20	17	45
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	20	4	19 to 22	36	58	66	4	0	250	20	20	18	26	20	17	55
Richmond (Kew Obs.)	82	65	22	—	—	—	—	39	78	51	0	190	9	20	12	19	20	12	0
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.)	109	44	—	—	—	20, 21	21	72	72	3	0	320	16	21	9	—	—	—	—
Southport	80	62	48	—	—	19 to 21, 24	29	77	58	4	0	60	14	21	10	20	20	10	0
Holyhead	60	40	‡	—	—	19 to 22	35	92	38	3	0	150	17	20	7	23	20	8	50
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	19, 20	17	18 to 22	43	57	36	3	12	270	23	20	13	33	20	10	5
Plymouth	185	88	2	—	—	18 to 20, 22	20	63	70	15	0	—	15	20	8	27	20	15	20
Lyme Regis	556	61	‡	—	—	20	10	36	36	76	10	—	15	20	13	22	20	16	0
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	—	—	19 to 22, 24	32	75	56	5	0	270	16	20	10	—	—	—	—
Quilty	100	40	‡	19, 20	21	18 to 22, 24	47	78	22	0	0	—	23	20	9	33	20	8	50
Cahirciveen (Val Obs.)	98	41	‡	19, 20	3	18 to 20, 22	34	91	31	9	0	250	19	19	24	30	20	5	20
Weaver Pt.	160	30	‡	20	9	18 to 20	33	57	65	4	0	—	19	20	9	30	20	8	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	20	12	20, 21	20	42	78	11	5	270	20	20	7	28	20	10	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SIXTEENTH WEEK of 1920—April 18th to April 24th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.											
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	30	84·0	76·3	80·6	+ 0·6	35	+ 7	11	− 6	5	+ 1	0·73	18	+ 1	3·2	−2·1	22	1009
Eastern.																			
1. SCOTLAND, EAST ...	62	27	85·0	75·7	80·1	+ 0·6	41	+ 7	15	− 4	4	0	0·30	8	− 2	5·1	+0·1	35	1009
2. ENGLAND, N.E.	63	29	84·8	77·5	81·0	+ 0·9	39	+ 5	5	− 7	6	+ 3	0·71	18	+ 10	3·3	−1·9	23	1011
3. ENGLAND, EAST ...	64	31	86·1	78·1	81·9	+ 1·2	46	+ 4	3	− 8	5	+ 2	0·51	13	+ 6	3·3	−2·3	24	1014
4. MIDLAND COUNTIES ...	64	34	85·6	78·1	81·7	+ 1·0	43	− 2	2	−11	5	+ 2	0·75	19	+ 11	2·8	−2·2	20	1013
5. ENGLAND, S.E.	65	34	86·0	78·5	82·1	+ 0·8	45	0	0	− 7	4	+ 1	0·66	17	+ 9	3·0	−2·7	22	1015
Western.																			
6. SCOTLAND, WEST ...	58	29	84·2	76·9	80·4	+ 0·1	35	− 2	8	− 3	7	+ 3	1·09	28	+ 13	3·2	−2·0	22	1010
7. ENGLAND, N.W.	58	34	84·8	78·2	81·3	+ 0·6	38	0	2	− 6	6	+ 3	0·74	19	+ 9	3·5	−2.0	24	1011
8. ENGLAND, S.W.	65	35	85·2	79·1	81·9	+ 0·7	43	0	0	− 6	5	+ 2	0·80	20	+ 9	3·9	−1·7	28	1014
9. IRELAND, NORTH ...	62	31	84·4	76·6	80·3	− 0·5	37	− 2	10	+ 3	7	+ 3	0·89	23	+ 10	3·2	−1·6	23	1009
10. IRELAND, SOUTH ...	61	31	85·3	78·2	81·6	0·0	41	− 4	2	− 3	6	+ 2	1·02	26	+ 13	3·4	−1·8	24	1012
11. ENGLISH CHANNEL ...	58	41	85·5	80·6	82·9	+ 0·5	55	+ 7	0	0	5	+ 2	0·43	11	+ 1	5·2	−1·4	37	1017

THE SEASON (Spring).—Aggregates, &c., for the Period of 8 Weeks, February 29th to April 24th, 1920.

0. SCOTLAND, NORTH ...	59	25	81·8	75·7	78·6	+ 1·0	161	+ 36	136	− 79	38	0	8·51	214	+ 31	3·3	−0·3	26	1005
Eastern.																			
1. SCOTLAND, EAST ...	62	22	82·1	75·3	78·6	+ 0·9	170	+ 13	154	− 86	37	+ 4	4·95	126	+ 23	3·3	−0·7	26	1005
2. ENGLAND, N.E.	65	24	83·3	76·7	79·9	+ 1·5	244	+ 64	84	− 96	39	+ 9	5·60	143	+ 65	2·9	−1·4	23	1008
3. ENGLAND, EAST ...	68	24	85·0	77·1	80·9	+ 2·1	329	+104	78	−105	35	+ 8	4·02	103	+ 30	3·7	−0·7	29	1010
4. MIDLAND COUNTIES ...	67	20	84·3	77·0	80·5	+ 1·9	292	+ 55	77	−118	39	+12	6·36	161	+ 80	2·8	−1·2	22	1009
5. ENGLAND, S.E.	67	23	85·0	77·9	81·3	+ 1·8	340	+100	55	− 83	36	+ 9	4·23	108	+ 25	3·6	−0·9	29	1011
Western.																			
6. SCOTLAND, WEST ...	58	22	82·3	76·6	79·3	+ 0·7	190	+ 16	87	− 79	43	+10	7·84	200	+ 49	2·5	−1·6	20	1006
7. ENGLAND, N.W.	64	22	83·2	77·4	80·2	+ 1·3	230	+ 13	56	− 92	42	+13	7·76	198	+ 91	2·5	−1·6	20	1007
8. ENGLAND, S.W.	68	22	84·0	77·8	80·8	+ 1·2	283	+ 50	53	− 62	43	+14	8·13	207	+ 83	3·1	−1·4	25	1009
9. IRELAND, NORTH ...	62	23	83·0	76·3	79·5	+ 0·3	227	+ 23	101	− 34	41	+ 5	5·91	150	+ 24	3·1	−0·8	25	1005
10. IRELAND, SOUTH ...	61	28	83·7	77·1	80·3	+ 0·3	259	+ 3	66	− 36	41	+ 9	8·03	203	+ 71	3·2	−1·1	26	1008
11. ENGLISH CHANNEL ...	65	33	84·8	79·9	82·3	+ 1·3	385	+104	7	− 28	38	+ 7	4·90	123	+ 20	4·4	−0·9	35	1011

THE YEAR 1920.—Aggregates, &c., for the Period of 16 Weeks, January 4th to April 24th, 1920.

0. SCOTLAND, NORTH ...	59	19	80·8	75·0	77·9	+ 0·9	223	+ 45	350	−150	82	+ 3	25·28	641	+207	2·3	−0·1	22	1004
Eastern.																			
1. SCOTLAND, EAST ...	62	19	81·1	74·6	77·8	+ 1·0	236	+ 23	415	−159	73	+ 8	10·12	257	+ 40	2·8	−0·1	27	1006
2. ENGLAND, N.E.	65	24	82·3	75·8	79·0	+ 1·5	387	+137	269	−184	70	+10	9·10	232	+ 77	2·7	−0·5	25	1010
3. ENGLAND, EAST ...	68	20	83·5	76·0	79·7	+ 2·0	501	+200	265	−211	62	+ 4	6·70	172	+ 20	3·0	−0·3	29	1014
4. MIDLAND COUNTIES ...	67	20	83·0	76·1	79·5	+ 1·8	460	+138	257	−240	72	+14	11·06	280	+105	2·4	−0·5	23	1013
5. ENGLAND, S.E.	67	17	83·6	77·0	80·3	+ 1·9	552	+212	163	−207	68	+11	7·96	204	+ 20	2·9	−0·4	27	1015
Western.																			
6. SCOTLAND. WEST ...	58	22	81·6	76·0	78·7	+ 0·9	302	+ 52	252	−144	87	+16	18·14	462	+107	2·1	−0·7	20	1009
7. ENGLAND, N.W.	64	22	82·4	76·7	79·5	+ 1·5	394	+127	183	−188	77	+15	14·36	365	+126	2·3	−0·7	21	1011
8. ENGLAND, S.W.	68	17	83·2	77·3	80·2	+ 1·4	487	+128	131	−163	79	+16	14·77	374	+ 93	2·6	−0·7	24	1014
9. IRELAND, NORTH ...	62	23	82·5	76·1	79·3	+ 0·8	420	+108	231	− 97	86	+11	13·35	339	+ 60	2·5	−0·3	24	1008
10. IRELAND, SOUTH ...	61	22	83·3	77·1	80·2	+ 0·9	492	+ 76	142	−112	84	+15	15·78	399	+ 95	2·6	−0·6	25	1011
11. ENGLISH CHANNEL ...	65	29	83·9	79·4	81·6	+ 1·2	655	+181	20	− 85	68	− 1	9·21	231	− 6	3·5	−0·4	32	1016
	°F	°F.	a.	a.	a.	a.	day-deg. F	day-deg. F.	day-deg. F	day-deg. F			inches	mm	mm	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: April 30th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

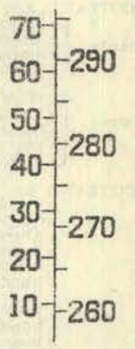
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 17.

SEVENTEENTH WEEK, SUNDAY, APRIL 25TH TO SATURDAY, MAY 1ST, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the greater part of the week barometric pressure was high on the Atlantic off our south west coasts and low over the British Islands and the North Sea. The prevailing winds were westerly and north westerly, while the weather was cool and unsettled, with frequent showers of rain, accompanied at times by hail and snow, and occasionally by thunder and lightning. At the close of the week a depression from the Azores region was approaching, while the wind backed to the southward and brought warmer weather. The day temperatures about the middle of the week were decidedly low, on the 28th at Balmoral and Buxton the thermometer failed to rise above 278 a, but on May 1st over the south eastern quarter of England, readings above 289 a were recorded in many places, 290 a at Kew Observatory, Geldeston (Beccles) and Norwich. Minima below the freezing point occurred in most parts of the United Kingdom, the lowest being 271 a at Marlborough, 270 a at Balmoral and 269 a at West Linton; on the grass the lowest value was 262 a at Eskdalemuir. The mean for the week was below the normal in all districts, the largest deficit, about 1·5 a, being in Scotland and Ireland N. Over the eastern and southern districts of England the total rainfall was generally about the normal, but elsewhere there was an excess; the amount was usually spread over five or six days, but on no individual day was the fall very heavy. Bright sunshine records were rather erratic, in districts where the rainfall was smallest the daily mean was lower than in those districts where the rainfall was heaviest; in the midland counties there was 5 hr. per day against 7·6 hr. in Scotland W. The stations with the largest daily mean were Marchmont, 8·5 and Malin Head, 8·2, whilst the third place on the list was taken by Glasgow, an occurrence which is by no means frequent. There was a display of aurora borealis at Stonyhurst on the 30th, while solar and lunar halos were frequently observed in nearly all parts of Great Britain.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	4·7	6	1·5	4	6·4	13	2·2	10	2·3	7	4·3	14	2·3	10	2·4
North	20	7·1	11	3·3	3	6·7	9	1·9	15	4·6	19	4·5	6	3·8	16	4·5
West	23	4·9	23	5·8	19	7·0	23	3·8	24	7·7	23	5·4	23	8·5	20	5·8
East	1	2·5	2	3·9	2	7·9	3	2·3	3	5·2	5	2·5	4	6·3	6	3·5
Calm		—	3	—	0	—	2	—	1	—	0	—	1	—	2	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).'

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate
	Rainfall ...	Heavy	Heavy	Heavy	Moderate	Heavy	Moderate	Heavy	Very heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 9 weeks from Feb. 29th, 1920.	Warmth ...	4, 4, 1	3, 4, 2	5, 3, 1	5, 4, 0	4, 5, 0	6, 3, 0	4, 4, 1	4, 4, 1	5, 2, 2	3, 4, 2	2, 5, 2	6, 3, 0
	Rainfall ...	4, 5, 0	4, 3, 2	7, 1, 1	4, 4, 1	6, 3, 0	3, 6, 0	5, 4, 0	7, 2, 0	7, 2, 0	5, 3, 1	6, 1, 2	3, 5, 1
	Sunshine ...	2, 5, 2	3, 3, 3	1, 3, 5	1, 4, 4	2, 3, 4	2, 3, 4	1, 2, 6	2, 3, 4	1, 4, 4	1, 3, 5	1, 3, 5	0, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of 1° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28504—19) Wt. 24—561/P 25 625 5/20 H. St. G. 17/.36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		br.	hr.	%	°F.	°F.	°F.	°F.	°F	°F
a Lerwick	54	49	25th	35	27, 30	45·4	37·9	41·5	− 0·5	6	0·51	13	0										
p Deerness, Orkney ..	165	46	26th	35	27, 29	44·7	37·3	40·8	—	7	0·49	12	0	Deerness ..	5·3	+ 0·4	35	•	•	•	•	•	•
a Stornoway	51	52	25th	34	30th	47·0	37·3	41·9	− 2·2	7	1·54	39	+ 23	Stornoway ..	6·1	+ 0·8	40	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—						
a Wick	81	50	25th	31	1st	46·0	35·7	40·6	− 3·1	7	1·06	27	+ 15										
a Strathpeffer	125	50	25, 1	35	27, 29, 30	48·3	37·6	42·7	− 2·4	5	1·23	31	+ 20										
p Glencarron	500	49	1st	29	1st	45·1	34·6	39·6	− 4·8	7	2·65	67	+ 37										
a Fort Augustus.. ..	68	—	—	—	—	—	—	—	—	—	—	—	—										
p Fort William	171	55	1st	30	1st	50·0	36·6	43·0	− 3·0	5	1·32	34	+ 10										
1. SCOTLAND, E.																							
a Nairn	82	58	25th	34	29th	49·0	36·9	42·7	− 2·4	7	0·65	16	+ 6	Nairn	4·2	—	28	•	•	•	•	•	•
p Gordon Castle	101	54	25th	31	1st	48·3	36·4	42·1	− 3·3	7	1·07	27	+ 15	Gordon Castle..	5·6	—	37	•	•	•	•	•	•
a Aberdeen	46	55	25th	35	29, 1	49·0	37·7	43·1	− 1·7	7	0·98	25	+ 12	Aberdeen ..	6·9	+ 1·4	46	3	25	•	•	44·1	+0·7
a Balmoral	930	49	25th	27	1st	45·1	32·7	38·6	− 3·5	6	1·31	33	+ 19	Balmoral ..	•	•	•	4	25	•	•	•	•
p Crieff	432	52	25th	29	30th	51·0	34·9	42·6	− 3·4	3	0·87	22	+ 8	Crathes	4·9	− 0·3	33	5	21	45·8	+0·6	44·2	+0·8
a Dundee	244	58	25th	31	30th	53·0	35·7	43·9	− 1·6	2	1·23	31	+ 20	Dundee	7·5	—	50	2	24	46·3	•	•	•
a Leith	30	53	25, 26	32	1st	51·0	37·9	44·1	− 2·4	6	0·58	15	+ 6	Leith	•	•	•	3	27	•	•	•	•
p Edinburgh	441	52	26th	34	30, 1	49·7	37·1	43·1	− 1·9	4	0·36	9	0	Edinburgh ..	6·9	+ 2·0	47	1	30	•	•	•	•
a West Linton	769	51	1st	24	1st	47·9	31·9	39·5	− 3·1	6	0·75	19	—	West Linton ..	6·2	—	42	4	22	•	•	•	•
p Marchmont	498	54	26th	29	1st	51·4	35·1	42·9	− 1·6	3	0·91	23	+ 9	Marchmont .	8·5	+ 3·3	57	•	•	•	•	•	•
6. *a*, SCOTLAND, W.																							
a Ford (Argyll)	149	53	1st	27	30th	49·6	36·0	42·5	—	7	1·03	26	—	Ford (Argyll) ..	•	•	•	3	20	46·6	—	44·8	—
p Glasgow Observatory	180	52	28, 1	35	29, 30, 1	50·4	38·1	44·0	− 2·3	5	1·26	32	+ 17	Glasgow.. ..	7·7	+ 3·3	51	4	24	•	•	•	•
p Rothesay	200	52	28th	33	30th	49·3	36·7	42·7	− 3·9	7	0·95	24	+ 5	Rothesay ..	7·6	—	51	4	26	46·6	—	45·9	+0·4
a Kilmarnock	90	55	28, 1	29	30th	52·1	36·3	43·8	− 1·9	4	0·65	17	+ 2	Kilmarnock ..	7·2	—	48	•	•	46·5	—	45·4	—
a Colmoneil	170	53	28, 1	30	1st	51·0	38·4	44·4	− 1·5	5	1·01	26	+ 10	Colmoneil ..	•	•	•	1	26	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	7·4	—	50	4	21	46·6	−1·1	45·3	−0·8
p Dumfries	160	52	25, 26, 28	29	1st	51·1	36·7	43·6	− 3·1	4	0·93	24	+ 9	Eskdalemuir ..	7·5	—	50	4	13	•	•	•	•
a Eskdalemuir	794	52	26th	21	1st	49·9	32·7	40·9	—	5	1·23	31	—										
b, I. OF MAN *p* Douglas	277	52	25th	34	30th	49·0	39·9	44·2	− 2·2	6	1·20	31	+ 16	Douglas	7·4	+ 1·2	51	1	27	•	•	•	•
2. ENGLAND, N.E																							
a Alnwick Castle ..	210	55	26th	30	1st	52·0	37·6	44·5	− 0·7	3	1·19	30	+ 17										
a Tynemouth	118	53	25-27	35	28th	51·0	39·0	44·7	− 0·6	5	0·69	17	+ 6	Cockle Park ..	7·1	+ 2·2	48	4	25	—	—	44·7	+0·4
p Durham	336	53	26th	31	1st	51·0	36·4	43·4	− 2·0	4	0·53	14	+ 3	Durham ..	7·0	+ 2·3	47	4	22	•	•	•	•
a North .. *a* Rounton	249	54	25th	32	28, 30	51·6	37·3	44·1	− 1·1	7	0·56	14	+ 2	Rounton ..	•	•	•	5	20	46·9	•	•	•
a West Witton	605	54	1st	30	30th	51·3	37·3	44·0	—	6	1·36	35	—	West Witton ..	•	•	•	3	26	45·8	—	43·7	—
p Scarborough	100	58	25th	36	28, 30	55·1	40·4	47·4	+ 1·1	5	0·35	9	− 2	Scarborough† ..	6·7	+ 1·4	45	•	•	•	•	47·8	—
p York	56	54	25, 28	35	28, 30	51·6	40·0	45·5	− 2·1	5	0·58	15	+ 4	York	5·4	+ 0·7	37	—	—	47·4	+0·4	46·1	+0·8
a Spurn Head	26	53	1st	36	30th	50·1	40·1	44·9	− 1·6	6	0·65	16	+ 8	Spurn Head ..	•	•	•	•	•	•	•	•	•
b, South .. *a* Lincoln	58	57	1st	34	30th	53·9	40·2	46·7	− 1·4	6	0·56	14	+ 4	Lincoln	•	•	•	2	30	48·0	+0·3	47·1	+1·7
a Fulbeck	180	58	1st	33	30th	52·9	39·4	45·8	− 2·0	6	0·61	16	+ 5	Fulbeck ..	5·4	− 0·2	37	•	•	—	—	—	—
														Skegness ..	5·7	− 0·2	39	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	61	1st	32	29, 30	53·0	37·7	45·0	− 1·8	7	0·34	9	− 1	Cromer	5·6	− 0·3	38	•	•	•	•	•	•
a Little Massingham ..	280	59	1st	31	30th	52·7	37·3	44·6	− 2·7	6	0·82	21	+ 8	Lit. Massingham	5·8	+ 0·1	40	•	•	•	•	•	•
a Yarmouth	13	57	25th	35	29th	52·9	41·9	47·1	+ 0·6	5	0·47	12	+ 1	Yarmouth ..	6·4	—	44	0	33	50·4	−0·2	49·6	+0·8
a Norwich	93	61	1st	34	30th	54·3	41·0	47·3	− 0·4	6	0·59	15	+ 2	Norwich ..	5·9	—	40	2	28	49·1	•	•	•
a Geldeston	37	62	1st	33	29, 30	55·7	39·4	47·2	0·0	6	0·39	10	− 1	Geldeston ..	5·6	− 0·4	38	•	•	•	•	•	•
p Cambridge	41	59	1st	32	30th	55·3	40·6	47·6	− 0·6	5	0·25	6	− 5	Cambridge ..	5·0	− 0·8	34	0	33	50·8	+0·1	49·7	+2·0
a Clacton-on-Sea ..	54	58	25th	38	29, 30	54·6	42·7	48·4	+ 1·2	6	0·49	13	+ 4	Clacton	5·7	− 0·8	39	0	34	50·5	+1·6	50·0	+1·7
a Rothamsted	424	57	1st	30	30th	53·1	40·1	46·3	− 1·0	4	0·41	10	− 3	Rothamsted ..	5·5	− 0·1	38	?	?	48·2	•	•	•
p Tottenham	51	61	1st	37	30th	55·9	44·0	49·7	—	5	0·40	10	—	Tottenham ..	5·0	—	34	0	35	•	•	49·1	+1·2
														S'thend-on-Sea	6·0	—	41	0	35	50·9	+1·8	—	—
4. MIDLAND COUNTIES.																							
a North .. *a* Harrogate	479	58	31st	34	28, 30	52·1	38·1	44·8	− 0·7	4	0·81	21	+ 8	Harrogate ..	6·7	+ 1·3	45	2	29	45·6	+0·5	45·6	+0·9
p Sheffield	429	55	26th	35	30th	51·1	40·3	45·4	—	6	0·87	22	—	Sheffield.. ..	4·8	− 0·2	32	1	28	46·6	+0·5	45·0	+1·0
p Buxton	987	53	25th	33	28, 29	47·1	36·9	41·8	—	7	3·06	78	+ 58	Buxton	4·2	—	28	1	27	44·3	−2·2	44·1	+0·3
a Worksop	56	58	1st	32	30th	55·9	39·7	47·4	+ 0·1	6	0·43	11	0	Worksop ..	4·1	− 0·8	28	3	23	48·3	—	47·2	—
a Nottingham	82	57	1st	34	30th	52·3	40·6	46·2	− 1·3	6	0·75	19	+ 8	Nottingham ..	4·7	− 0·7	32	3	24	46·9	−0·7	46·6	+1·7
b, East .. *p* Birmingham, Edgbsn.	535	56	1st	34	30th	52·3	39·6	45·7	− 1·7	6	0·85	22	+ 9	Birmingham ..	4·3	0·0	30	1	30	45·3	−0·1	45·8	+0·8
a Raunds	203	60	1st	32	30th	55·3	40 3	47·4	− 0·5	5	0·34	9	− 3	Raunds	5 0	—	35	3	24	49·9	—	47·9	—
p Oxford	208	58	25, 1	36	28-30	55·3	40·9	47·8	− 0·7	6	0·64	16	+ 4	Oxford	5·8	+ 0·2	40	1	30	•	•	•	•
														Malvern ..	5·4	—	37	1	30	48 5	—	47·9	—
a Cheadle (N. Staffs.) ..	646	54	25, 1	33	30th	50·6	39·0	44·5	− 1·7	6	1·54	39	+ 25	Cheadle	•	•	•	0	31	•	•	•	•
c, West .. *p* Tenbury	313	57	26th	33	30th	54·1	39·4	46·4	− 0·9	4	0·36	9	− 1	Tenbury	•	•	•	2	27	49·1	—	—	—
a Hereford	291	58	25th	35	30th	55·1	39·9	47·1	− 1·1	3	0·57	14	+ 1	Ross-on-Wye ..	4·6	—	32	1	28	—	—	—	—
a Clifton	223	57	1st	39	28, 30	53·1	43·1	47·9	− 1·6	4	0·52	13	− 5	Clifton	5·2	—	36	0	35	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	56	26, 1	29	30th	53·1	39·0	45 7	− 1·2	5	0·52	13	− 3	Worthing ..	6·8	+ 0·3	47	0	32	51·6	+1·0	50·0	+1·7
p Salisbury (Wilton) ..	180	57	25, 26, 1	32	30th	55·6	39·6	47·2	− 1·1	3	0·65	17	− 1	Marlborough ..	3·8	− 1·4	26	?	?	48·9	—	48·2	—
a Wisley, Surrey ..	160	61	1st	34	30th	56·0	41·1	48·2	− 0·1	7	0·63	16	+ 4	Salisbury ..	•	•	•	2	28	50·9	•	•	•
a Tunbridge Wells ..	354	60	1st	32	30th	55·0	39·3	46·8	− 1·3	4	0·35	9	− 7	Wisley	5·0	− 0·8	34	3	22	49·8	+1·2	48·9	+1·8
a Margate	51	58	25, 1	37	29, 30	54·9	42·4	48·4	− 0·1	4	0·31	8	− 4	Tunbridge Wells	4·6	− 1·4	32	4	23	49·5	+1·2	48·5	—
														Margate	5·6	− 0·4	38	0	32	51·6	+3·2	50·5	+3·3
a Dungeness	21	60	25th	35	30th	55·0	40·0	47·1	− 0·6	5	0·99	25	+ 14	Folkestone ..	5·8	—	40	•	•	•	•	48·1	—
p St. Leonards	178	59	25, 1	37	29th	55·3	41·3	48·0	− 0·5	7	0·53	14	+ 2	St. Leonards ..	6·0	− 0·5	42	0	33	51·6	—	49·8	—
p Southampton	64	59	25th	34	30th	56·4	41·7	48·7	− 1·3	4	0·33	8	− 8	Southampton ..	6·2	0·0	43	2	28	•	•	•	•
a Ventnor	59	59	26th	39	29th	54·7	44·0	49·1	− 0·4	5	0·52	13	− 1	Ventnor	6·4	0·0	44	•	•	•	•	•	•
LONDON. *a* Richmond (Kew Obs.)	18	62	1st	35	30th	55·8	42·0	48·6	− 0·3	4	0·29	7	− 6	Richmond ..	4·6	− 1·0	32	3	27	49·8	+1·0	49·1	+1·9
a Westminster	27	61	1st	35	30th	57·6	42·0	49·4	− 0·3	6	0·48	12	0	Westminster ..	4·5	− 0·3	31	2	28	•	•	•	•
ag Greenwich	149	63	1st	33	30th	57·9	40·9	49·0	+ 0·3	6	0·38	10	+ 2	Greenwich ..	4 5	− 0·8	31	2	28	•	•	•	•
a Hampstead	450	59	1st	35	28-30	54·6	40·4	47·2	—	5	0·49	12	—	Hampstead ..	5·3	—	37	0	32	•	•	•	•
ag Camden Square ..	110	65	1st	34	30th	58·7	41·7	49·8	− 0·5	5	0·55	14	0	Camden Square	—	—	—	1	30	•	•	•	•
7. *a*, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	51	26th	33	28th	48·7	37·1	42·6	− 3·5	5	0·59	15	− 1	Aspatria.. ..	5·9	+ 0·8	40	3	27	46·1	−2·4	45·2	−0·6
p Newton Rigg	559	51	25, 27, 28	30	1st	50·1	35·3	42·3	− 3·0	5	1·00	25	+ 10	Newton Rigg ..	6·5	+ 1·3	44	—	—	46·8	+0·2	45·0	+0·8
p Stonyhurst	375	58	1st	36	1st	50·1	40·3	45·0	− 1·3	6	2·21	56	+ 37	Stonyhurst ..	6·2	+ 1·2	42	2	26	•	•	•	•
p Blackpool	66	59	1st	37	1st	51 4	42·0	46·5	− 0·3	7	0·92	23	+ 10	Blackpool ..	7·3	+ 1·4	50	0	35	47·7	—	46·3	—
a Southport	37	58	1st	39	30, 1	51·0	42·3	46·4	− 0·8	7	0·97	25	+ 12	Southport ..	6·9	+ 1·1	47	0	31	49·8	+0·4	48·5	+1·0
														Hoylake ..	6·3	+ 0·9	43	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	53	1st	37	1st	50·0	41·1	45·3	− 2·5	7	0·95	24	+ 12	Liverpool ..	6·2	—	42	0	32	•	•	•	•
a Hawarden Bridge ..	22	58	1st	37	30th	52·1	42·1	46·9	− 1·5	7	1·26	32	+ 22	Manchester (City)	4·0	− 0·4	27	0	36	46·0	−0·5	47·0	+1·0
p Manchester (Whit. Pk.)	125	54	26, 1	38	30th	50·3	41·6	45·7	− 2·7	7	1·67	43	+ 29	Whitworth Park	?	?	?	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	54	1st	39	1st	50·7	42·6	46·5	− 1·6	6	0·91	23	+ 11	Llandudno ..	6·2	+ 0·4	42	•	•	•	•	•	•
a Holyhead	15	54	26, 1	41	29th	52·0	43·3	47·4	0·0	5	1·15	29	+ 15	Holyhead ..	6·5	—	44	0	33	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	22	55	1st	39	1st	52·0	43·7	47·7	—	7	1·17	30	—	Aberdovey ..	6 3	+ 0·7	43	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																							
a Aberystwyth	59	54	1st	40	28, 1	50·7	42·7	46·5	—	7	1·12	28	—	Aberystwyth ..	5·9	+ 0·2	41	•	•	•	•	•	•
a Rhayader	757	52	1st	35	30th	49·4	39·3	44·1	—	7	1·93	49	—	Rhayader ..	5·9	—	41	2	27	•	•	•	•
a St. Ann's Head	149	52	26th	42	28, 29	49·7	43·9	46·7	- 0·7	4	0·91	23	+ 7	St. Ann's Head	5·2	- 1·1	36	•	•	•	•	•	•
p Cardiff	202	56	1st	36	28th	52·3	41·4	46·6	- 1·5	4	0·79	20	- 1	Cardiff	4·5	—	31	1	28	49·3	+0·3	48·4	+1·4
b, ENGLAND, S.W.																							
a Bath	66	59	26, 1	30	30th	55·6	41·7	48·3	- 0·3	6	0·61	15	- 1	Bath	4·4	- 1·5	30	—	—	50·5	+1·4	49·4	+1·6
a Shaftesbury	722	54	25, 26, 1	35	29, 30	52·0	39·7	45·6	- 1·6	4	0·54	14	- 4	Shaftesbury ..	•	•	•	•	•	48·9	—	47·8	—
a Arlington	613	53	25, 1	35	30th	50·4	41·3	45·6	- 1·4	5	0·96	24	- 1										
a Newquay	190	55	30th	41	30th	52·4	44·4	48·2	- 0·5	4	0·45	11	- 4	Newquay ..	5·5	- 0·8	39	—	—	52·1	—	50·3	—
a Cullompton	202	57	25th	33	30th	54·7	40·1	47·1	- 1·6	6	0·60	15	- 4	Cullompton ..	4·5	- 1·2	31	2	30	51·0	•	•	•
a Portland Bill	19	54	25, 26	44	28, 30, 1	52·1	44·7	48·2	- 0·1	3	0·31	8	- 5	Weymouth ..	7·2	—	50	•	•	•	•	•	•
p Plymouth	116	57	25, 27	38	30th	54·7	44·0	49·1	- 0·5	4	0·51	13	- 5	Plymouth ..	5·8	- 0·5	40	0	33	51·6	+0·6	50·4	—
a Falmouth	167	58	25th	39	30th	54·6	43·0	48·5	- 0·5	4	0·78	20	0	Falmouth ..	6·5	- 0·1	45	0	34	53·8	—	52·2	—
9. IRELAND, N.																							
a Mallarany	120	54	25, 1	34	30th	51·6	38·4	44·7	—	5	2·15	55	—	Mallarany ..	5·6	—	38	2	28	—	—	—	—
a West .. *a* Malin Head	208	49	25th	38	29, 30, 1	47·1	39·7	43·2	- 3·0	3	0·95	24	+ 12	Malin Head ..	8·2	—	55	•	•	•	•	•	•
a Blacksod Point ..	37	52	25, 26	34	30th	50·0	39·3	44·4	- 3·2	5	1·06	27	+ 9	Markree Castle	5·6	+ 0·5	38	3	24	48·8	-1·2	47·0	-0·1
p Markree Castle ..	122	57	25th	30	30, 1	51·0	37·3	43·8	- 2·7	6	1·40	36	+ 19										
b, East .. *p* Armagh	196	55	26th	30	30th	52·3	36·6	44·1	- 2·6	7	1·37	35	+ 21	Armagh	6·3	+ 1·3	43	4	25	48·5	+0·1	47·0	+0·3
a Donaghadee	39	54	25th	31	30th	50·3	36·7	43·2	- 3·4	6	1·24	32	+ 19										
10. IRELAND, S.																							
p Dublin, City	47	55	25th	36	29th	52·4	40·9	46·4	- 2·5	7	0·92	23	+ 9	Trinity Coll. ..	6·6	—	45	1	30	49·9	+0·8	48·6	+0·9
a Birr Castle	175	54	30th	32	30th	51·9	40·0	45·7	- 1·6	7	0·65	16	0	Phœnix Park ..	7·4	+ 1·8	50	4	23	•	•	•	•
a Kilkenny	195	54	25, 26, 30	30	30th	52·6	40·3	46·2	- 1·6	7	1·23	31	+ 15	Dublin City ..	•	•	•	0	31	•	•	•	•
a Waterford	137	56	26th	35	30th	53·7	41·7	47·4	- 1·2	4	1·28	33	+ 16	Birr Castle ..	5·9	+ 0·8	40	1	26	•	•	•	•
p Seskin, Carrick-on-Suir	535	54	25, 26	32	30th	52·3	37·9	44·8	—	7	1·59	40	—	Seskin	6·0	—	41	1	23	•	•	•	•
a Cahir	198	54	25, 30	30	30th	52·4	39·7	45·8	- 2·1	5	0·60	15	—										
a Foynes	50	53	26, 29	36	30th	51·7	41·4	46·3	- 2·4	6	1·10	28	+ 11										
a Cahirciveen (Val. Obs.)	30	52	27th	36	30th	50·7	42·3	46·3	- 2·7	6	1·14	29	+ 4	Cahirciveen ..	5·0	- 0·5	35	0	33	•	•	•	•
a Killarney	174	55	25, 26, 28	33	29th	53·6	40·8	46·9	- 1·8	6	1·30	33	+ 10	Ballinacurra ..	—	—	—	•	•	•	•	•	•
a Roche's Point	32	56	27th	36	30th	51·9	41·7	46·6	- 2·0	4	1·55	39	+ 20										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	55	25, 30	44	28, 29	53·0	45·6	49·1	- 0·3	4	0·63	16	+ 2	Scilly	6·9	+ 0·6	48	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	59	1st	44	29th	55·3	46·6	50·7	+ 0·3	3	0·24	6	- 8	St. Heliers ..	6·4	- 0·4	45	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	57	1st	43	29, 30	54·7	45·3	49·8	- 0·6	4	0·59	15	0	Guernsey† ..	6·5	- 0·3	45	0	35	52·2	+0·9	51·3	+1·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 1st, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	25 to 30	33	117	18	0	0	360	14	28	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	6	136	26	0	360	6	27	8	16	25	10	30
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	—	29	3	89	67	9	0	300	13	29	9	—	—	—	—
Edinburgh	485	39	31	—	—	25	8	82	72	6	0	260	12	25	8	21	25	9	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	25 to 27, 1	20	82	40	26	0	260	14	25	10	24	25	14	5
Paisley	188	81	15	—	—	—	—	76	77	15	0	270	10	25	11	22	25	12	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	34	106	28	0	270	8	25	15	18	25	8	40
South Shields	72	61	12	—	—	25	12	86	64	6	0	290	13	25	17	22	25	16	50
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
[illegible] ENGLAND, E.																			
[illegible] Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
[illegible] Shoeburyness	103	90	‡	—	—	—	—	142	26	0	0	260	12	27	15	21	27	15	5
4. [illegible] AND COUNTIES.																			
[illegible] on	270	84	‡	—	—	—	—	56	110	2	0	270	10	27	13	18	27	13	45
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	27	6	61	87	14	0	—	13	27	14	20	27	14	5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Butler's Cross, S'y Plain	550	43	‡	—	—	25, 27	17	115	36	0	0	270	15	27	15	19	27	15	10
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	20	133	15	0	240	7	27	11	15	27	11	40
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	25 to 29	80	44	44	0	0	300	16	26	3	—	—	—	—
Southport	80	62	48	—	—	25 to 29	100	38	30	0	0	260	17	27	1	22	27	3	55
Holyhead	60	40	‡	—	—	25 to 29	37	98	18	0	15	280	14	25	22	20	25	21	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	1	3	27, 30, 1	20	100	25	0	20	200	19	1	24	22	1	22	55
Plymouth	185	88	2	—	—	1	3	76	79	10	0	—	15	1	24	18	1	23	50
Lyme Regis	556	61	‡	—	—	—	—	40	88	40	0	—	10	26	9	16	26	8	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	25 to 27, 1	44	85	34	5	0	270	16	25	9	—	—	—	—
Quilty	100	40	‡‡	—	—	25 to 28, 1	67	64	36	1	0	—	14	27	6	20	27	7	25
Cahirciveen (Val Obs.)	98	41	‡‡	—	—	1	1	114	49	4	0	100	11	1	16	18	1	15	30
Weaver Pt.	160	30	‡‡	—	—	25, 1	8	86	68	6	0	—	16	1	17	22	1	16	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	26, 27, 1	9	105	53	1	0	290	11	27	14	17	29	0	5

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

SEVENTEENTH WEEK of 1920—April 25th to May 1st, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	55	29	81·3	75·5	78·3	− 1·6	14	− 17	21	+ 9	6	+ 2	1·35	34	+ 17	5·7	+1·1	38	1002
Eastern.																			
1. SCOTLAND, EAST ...	58	24	82·5	74·9	78·6	− 1·5	20	− 17	18	+ 4	6	+ 2	0·89	23	+ 11	6·5	+1·2	43	1005
2. ENGLAND, N.E.	58	30	84·2	76·8	80·3	− 0·5	35	− 4	9	+ 1	5	+ 1	0·64	16	+ 5	6·2	+0·9	42	1006
3. ENGLAND, EAST ...	62	30	85·3	77·7	81·3	− 0·3	41	− 7	4	− 3	6	+ 2	0·46	12	0	5·6	−0·3	38	1009
4. MIDLAND COUNTIES ...	60	32	85·0	77·5	81·1	− 0·5	39	− 11	5	− 4	5	+ 1	0·68	17	+ 4	5·0	−0·3	34	1010
5. ENGLAND, S.E.	62	29	85·9	78·0	81·8	− 0·4	45	− 5	3	− 1	5	+ 1	0·51	13	− 1	5·5	−0·6	38	1011
Western.																			
6. SCOTLAND, WEST ...	55	27	83·2	76·0	79·4	− 1·5	31	− 10	13	+ 5	5	+ 1	1·01	26	+ 8	7·6	+2·2	51	1007
7. ENGLAND, N.W.	58	30	83·2	77·8	80·4	− 1·0	29	− 13	4	− 1	6	+ 2	1·19	30	+ 16	6·4	+1·1	43	1009
8. ENGLAND, S.W.	59	30	84·4	78·5	81·3	− 0·7	35	− 13	0	− 3	5	+ 1	0·79	20	+ 1	5·5	−0.4	38	1012
9. IRELAND, NORTH ...	57	30	83·2	76·5	79·7	− 1·5	30	− 11	10	+ 5	6	+ 1	1·11	28	+ 13	6·0	+0·9	40	1010
10. IRELAND, SOUTH ...	56	30	84·3	78·0	81·0	− 1·1	35	− 14	3	0	6	+ 2	1·08	27	+ 8	6·1	+0·6	42	1013
11. ENGLISH CHANNEL ...	59	43	85·4	80·7	82·9	− 0·1	55	− 2	0	0	4	0	0·49	12	− 2	6·6	−0·1	46	1015

THE SEASON (Spring).—Aggregates, &c., for the Period of 9 Weeks, February 29th to May 1st, 1920.

0. SCOTLAND, NORTH ...	59	25	81·7	75·7	78·6	+ 0·7	175	+ 19	157	− 70	44	+ 2	9·86	248	+ 48	3·7	0·0	29	1005
Eastern.																			
1. SCOTLAND, EAST ...	62	22	82·1	75·3	78·6	+ 0·6	190	− 4	172	− 82	43	+ 6	5·84	149	+ 34	3·6	−0·5	28	1005
2. ENGLAND, N.E.	65	24	83·4	76·7	79·9	+ 1·2	279	+ 60	93	− 95	44	+10	6·24	159	+ 70	3·2	−1·2	26	1007
3. ENGLAND, EAST ...	68	24	85·0	77·1	80·9	+ 1·8	370	+ 97	82	−108	41	+10	4·48	115	+ 30	3·9	−0·7	31	1010
4. MIDLAND COUNTIES ...	67	20	84·3	77·0	80·6	+ 1·5	331	+ 44	82	−122	44	+13	7·04	178	+ 84	3·0	−1·1	24	1009
5. ENGLAND, S.E.	67	23	85·1	77·9	81·4	+ 1·6	385	+ 95	58	− 84	41	+10	4·74	121	+ 24	3·6	−1·1	29	1011
Western.																			
6. SCOTLAND, WEST ...	58	22	82·4	76·5	79·3	+ 0·5	221	+ 6	100	− 74	48	+11	8·85	226	+ 57	3·0	−1·2	24	1006
7. ENGLAND, N.W.	64	22	83·2	77·5	80·2	+ 1·1	259	+ 30	60	− 93	48	+15	8·95	228	+107	3·0	−1·3	23	1008
8. ENGLAND, S.W.	68	22	84·0	77·9	80·8	+ 1·0	318	+ 37	53	− 65	48	+15	8·92	227	+ 84	3·4	−1·2	27	1010
9. IRELAND, NORTH ...	62	23	83·0	76·3	79·5	+ 0·1	257	+ 12	111	− 29	47	+ 6	7·02	178	+ 37	3·4	−0·6	27	1006
10. IRELAND, SOUTH ...	61	28	83·8	77·2	80·4	+ 0·2	294	− 11	69	− 36	47	+11	9·11	230	+ 79	3·5	−1·0	28	1008
11. ENGLISH CHANNEL ...	65	33	84·9	80·0	82·3	+ 1·1	440	+102	7	− 28	42	+ 7	5·51	138	+ 21	4·6	−0·8	37	1012

THE YEAR 1920.—Aggregates, &c., for the Period of 17 Weeks, January 4th to May 1st, 1920.

0. SCOTLAND, NORTH ...	59	19	80·9	75·1	77·9	+ 0·7	237	+ 28	371	−141	88	+ 5	26·63	675	+224	2·5	−0·1	24	1004
Eastern.																			
1. SCOTLAND, EAST ...	62	19	81·2	74·6	77·9	+ 0·9	256	+ 6	433	−155	79	+10	11·01	280	+ 51	3·0	−0·1	28	1006
2. ENGLAND, N.E.	65	24	82·4	75·8	79·1	+ 1·4	422	+133	278	−183	75	+11	9·74	248	+ 82	2·9	−0·4	27	1010
3. ENGLAND, EAST ...	68	20	83·6	76·1	79·8	+ 1·9	542	+193	269	−214	68	+ 6	7·16	184	+ 20	3·2	−0·2	29	1014
4. MIDLAND COUNTIES ...	67	20	83·2	76·1	79·6	+ 1·7	499	+127	262	−244	77	+15	11·74	297	+109	2·6	−0·4	24	1013
5. ENGLAND, S.E.	67	17	83·8	77·1	80·4	+ 1·8	597	+207	166	−208	73	+12	8·47	217	+ 19	3·1	−0·4	28	1014
Western.																			
6. SCOTLAND WEST ...	58	22	81·7	76·0	78·8	+ 0·8	333	+ 42	265	−139	92	+17	19·15	488	+115	2·4	−0·6	22	1009
7. ENGLAND, N.W.	64	22	82·5	76·8	79·6	+ 1·4	423	+114	187	−189	83	+17	15·55	395	+142	2·5	−0·6	23	1011
8. ENGLAND, S.W.	68	17	83·2	77·4	80·3	+ 1·3	522	+115	131	−166	84	+17	15·56	394	+ 94	2·3	−0·6	26	1013
9. IRELAND, NORTH ...	62	23	82·6	76·1	79·3	+ 0·6	450	+ 97	241	− 92	92	+12	14·46	367	+ 73	2·7	−0·3	25	1008
10. IRELAND, SOUTH ...	61	22	83·4	77·1	80·2	+ 0·7	527	+ 62	145	−112	90	+17	16·86	426	+103	2·8	−0·5	26	1011
11. ENGLISH CHANNEL ...	65	29	84·0	79·5	81·7	+ 1·2	710	+179	20	− 85	72	− 1	9·82	246	− 5	3·7	−0·3	33	1016
	°F	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: May 7th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 18.

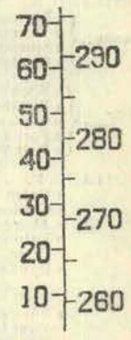
EIGHTEENTH WEEK,

SUNDAY, MAY 2ND TO SATURDAY, MAY 8TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week an important disturbance from the region of the Azores was moving north-eastward across the British Isles, and in connexion with this system gales prevailed, from east in the far north and from south-west over our western districts. The gale was very severe in the Irish Sea and the Firth of Clyde; at Southport on Monday gusts of 32 metres per second were recorded. Subsequently an anticyclone spread over our more southern districts where a considerable improvement in the weather took place, but in the west conditions still remained very unsettled. Thunderstorms occurred at Dumfries on the 6th, and at Hastings and Tunbridge Wells on the 7th; there was hail at many stations during the week. The highest maxima occurred on the 2nd in the English districts, when readings of 291 a or 292 a were registered, but in Scotland E. the warmest day was the 6th and the highest reading 290 a. On the morning of the 5th over the eastern section of the country the thermometers in the screen went down below freezing point, and grass readings as low as 267 a at Wisley and 266 a at Greenwich were recorded. The mean temperature of the week differed but little from the normal in all districts. The distribution of rainfall was well-defined, showing an excess in the west and deficit in the east. On the 5th in some parts of Scotland W. and England N.W. rain was continuous for 21 and 24 hours, and many of the measurements exceeded 24mm., the largest being 48mm. at Lancaster. The daily mean of bright sunshine approximated fairly well to the normal; over East Anglia the 3rd was a brilliant day, Norwich, Yarmouth and Cambridge having 13½ hours continuous sunshine; a similar record was obtained at Torquay on the 4th. Solar halos were observed at Oxford on the 2nd and 6th and there was a lunar halo at Falmouth on the 2nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W.‡ Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	5·3	20	5·5	—	—	20	3·8	16	6·9	12	3·1	23	5·7	22	4·7
North	9	4·6	4	2·7	—	—	2	3·3	4	2·2	10	1·7	3	1·3	5	2·3
West	12	6·6	25	5·9	—	—	25	3·8	23	8·0	22	3·1	24	6·6	22	7·1
East	15	4·9	1	5·4	—	—	0	0·0	5	7·0	0	0·0	1	0·6	4	1·2
Calm	1	—	1	—	—	—	3	—	0	—	0	—	0	—	1	—

* For Deerness the week ends at midnight on Friday. † Until the end of March 1919, England E. was represented by Yarmouth. ‡ Six readings missing.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).'

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Rainfall ...	Very heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Very heavy	Heavy	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 10 weeks from Feb. 29th, 1920.	Warmth ...	4, 5, 1	3, 5, 2	5, 4, 1	5, 5, 0	4, 6, 0	6, 4, 0	4, 5, 1	4, 5, 1	5, 3, 2	3, 5, 2	2, 6, 2	6, 4, 0
	Rainfall ...	5, 5, 0	4, 4, 2	7, 2, 1	4, 5, 1	6, 4, 0	3, 7, 0	6, 4, 0	8, 2, 0	8, 2, 0	6, 3, 1	7, 1, 2	3, 6, 1
	Sunshine ...	2, 6, 2	4, 3, 3	1, 4, 5	1, 5, 4	2, 4, 4	2, 4, 4	1, 3, 6	2, 4, 4	1, 5, 4	1, 4, 5	1, 4, 5	0, 5, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28573—19) Wt. 24—561/P 25 625 5/20 H. St, G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr	%	°F.	°F.	°F.	°F	°F.	°F
0. SCOTLAND, N.																						
a, Islands .. a Lerwick	54	53	7th	36	5th	48·6	38·3	43·1	+ 0·8	7	1·51	38	+ 24									
p Deerness, Orkney ..	165	54	6th	36	4th	48·4	39·0	43·4	—	6	1·52	39	+ 26	Deerness ..	4·5	- 0·9	28	•	•	•	•	•	•
a Stornoway	51	—	—	—	—	—	—	—	—	—	—	—	—	Stornoway ..	—	—	—	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•	•
b, Mainland. a Wick	81	55	6th	33	8th	50·4	37·7	43·7	- 0·3	7	0·98	25	+ 12									
a Strathpeffer	125	59	6th	30	2nd	53·1	36·9	44·5	- 1·2	5	0·61	16	+ 4									
p Glencarron	500	54	6th	34	8th	49·6	37·0	42·9	- 1·9	7	2·45	62	+ 31									
a Fort Augustus.. ..	68	55	2nd	33	8th	51·7	39·7	45·3	0·0	6	1·18	30	+ 15									
p Fort William	171	60	2nd	35	8th	53·4	40·1	46·4	- 0·2	7	2·30	58	+ 33									
1. SCOTLAND, E.																						
a Nairn	82	61	5th	33	5th	56·0	38·3	46·6	+ 1·0	5	0·23	6	- 4	Nairn	6·0	—	38	•	•	•	•	•	•
p Gordon Castle	101	61	6th	34	5, 8	54·9	38·6	46·3	+ 0·4	6	0·47	12	0	Gordon Castle..	5·0	—	32	•	•	•	•	•	•
a Aberdeen	46	62	6th	35	8th	54·6	40·9	47·3	+ 2·0	4	0·61	16	+ 3	Aberdeen ..	5·8	+ 0·5	38	2	25	•	•	44·2	+0·1
a Balmoral	930	55	2, 6	26	8th	50·7	35·0	42·4	- 0·4	6	0·34	9	- 5	Balmoral ..	•	•	•	2	23	•	•	•	•
p Crieff	432	57	2, 6	32	8th	53·6	37·7	45·2	- 1·5	5	0·95	24	+ 10	Crathes	6·0	+ 1·0	39	2	25	46·6	+0·3	44·9	+0·6
a Dundee	244	58	6th	29	8th	55·4	37·4	45·9	- 0·2	5	0·46	12	0	Dundee	7·5	—	49	2	23	46·9	•	•	•
a Leith	30	61	6th	35	8th	57·1	41·1	48·6	+ 1·6	6	0·56	14	+ 4	Leith	•	•	•	1	30	•	•	•	•
p Edinburgh	441	58	6th	36	4, 8	53·7	39·7	46·3	+ 0·8	7	0·41	11	+ 1	Edinburgh ..	6·9	+ 2·0	45	0	33	•	•	•	•
a West Linton	769	56	6th	32	5, 8	50·9	36·6	43·3	0·0	7	0·94	24	—	West Linton ..	5·1	—	33	3	26	•	•	•	•
p Marchmont	498	59	6th	33	8th	53·7	38·1	45·4	+ 0·3	4	0·26	7	- 7	Marchmont .	7·0	+ 2·0	45	•	•	•	•	•	•
6. a, SCOTLAND, W.																						
a Ford (Argyll)	149	55	2nd	34	8th	52·3	40·3	45·9	—	7	2·20	56	—	Ford (Argyll) ..	•	•	•	2	27	47·7	—	45·1	—
p Glasgow Observatory	180	58	6th	38	4, 8	53·6	41·3	47·1	0·0	7	1·12	29	+ 12	Glasgow.. ..	5·6	+ 1·0	36	1	29	•	•	•	•
p Rothesay	200	58	6th	35	8th	52·9	39·3	45·7	- 1·5	7	2·48	63	+ 42	Rothesay ..	5·4	—	35	1	29	48·0	—	46·0	-0·3
a Kilmarnock	90	57	2, 6	37	8th	53·6	42·3	47·6	+ 1·2	7	1·94	49	+ 32	Kilmarnock ..	4·5	—	29	•	•	47·1	—	45·8	—
a Colmonell	170	60	6th	39	8th	53·4	42·1	47·4	+ 0·8	6	1·04	26	+ 8	Colmonell ..	•	•	•	0	33	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	6·1	—	40	2	26	47·2	-1·5	45·9	-1·3
p Dumfries	160	57	6th	35	8th	52·3	40·1	45·8	- 1·6	7	1·32	34	+ 17	Eskdalemuir ..	5·1	—	33	2	20	•	•	•	•
a Eskdalemuir	794	54	6th	28	5th	49·4	35·3	41·9	—	7	2·70	69	—										
b, I. OF MAN p Douglas	277	55	6th	36	3rd	51·0	40·7	45·5	- 1·5	6	1·20	31	+ 14	Douglas	5·1	- 1·4	34	0	32	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	62	2nd	32	5th	56·6	40·0	47·8	+ 2·0	4	0·22	6	- 7									
a Tynemouth	118	61	2, 6	37	8th	55·6	40·9	47·8	+ 2·1	4	0·43	11	0	Cockle Park ..	7·8	+ 2·1	51	1	28	45·3	-0·9	45·0	0·0
p Durham	336	60	2nd	35	5th	55·1	40·1	47·2	+ 1·2	6	0·27	7	- 4	Durham	6·3	+ 1·1	41	2	26	•	•	•	•
a North .. p Rounton	249	64	2nd	34	5, 8	55·7	40·1	47·4	+ 1·6	7	0·41	11	- 1	Rounton	•	•	•	3	22	47·3	•	•	•
a West Witton	605	59	2nd	34	8th	53·9	39·9	46·5	—	6	0·39	10	—	West Witton ..	•	•	•	2	30	45·9	—	44·0	—
p Scarborough	100	65	2nd	39	5, 8	57·0	43·0	49·6	+ 2·8	4	0·18	5	- 6	Scarborough† ..	6·0	+ 0·1	39	•	•	•	•	47·8	—
p York	56	65	2nd	36	5th	56·3	42·6	49·0	+ 0·7	5	0·29	7	- 4	York	5·6	+ 0·4	37	—	—	47·7	-0·3	46·6	+0·4
a Spurn Head	26	62	2nd	39	5, 8	54·3	41·7	47·6	+ 0·5	4	0·25	6	- 2	Spurn Head ..	•	•	•	•	•	•	•	•	•
b, South .. a Lincoln	58	64	2nd	36	5th	56·6	42·4	49·1	+ 0·2	3	0·25	6	- 4	Lincoln	•	•	•	0	31	48·2	-0·6	47·4	+1·0
a Fulbeck	180	64	2nd	34	5th	56·6	41·6	48·7	+ 0·3	4	0·19	5	- 6	Fulbeck	5·3	- 1·0	35	•	•	—	—	—	—
														Skegness ..	5·7	- 0·8	38	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	66	2nd	35	4, 5	57·4	39·3	47·8	+ 0·2	3	0·14	4	- 5	Cromer	6·1	- 0·3	41	•	•	•	•	•	•
a Little Massingham ..	280	63	2nd	33	5th	56·3	39·3	47·3	- 0·8	2	0·30	8	- 3	Lit. Massingham	5·8	- 0·5	39	•	•	•	•	•	•
a Yarmouth	13	65	2nd	36	5th	57·3	41·7	49·0	+ 1·7	5	0·35	9	- 1	Yarmouth ..	6·6	—	44	0	33	51·0	-1·0	49·9	0·0
a Norwich	93	66	2nd	34	5th	57·4	42·6	49·6	+ 1·0	5	0·42	11	0	Norwich ..	5·9	—	39	1	28	50·9	•	•	•
a Geldeston	37	66	2nd	32	5th	58·4	40·6	49·0	+ 1·0	5	0·26	7	- 3	Geldeston ..	5·3	- 1·3	36	•	•	•	•	•	•
p Cambridge	41	65	2nd	30	5th	58·6	40·3	48·9	- 0·2	2	0·13	3	- 7	Cambridge ..	6·0	- 0·4	40	1	29	51·7	+1·1	50·2	+1·6
a Clacton-on-Sea ..	54	60	2, 3, 7	35	5th	56·4	43·4	49·5	+ 1·4	3	0·20	5	- 3	Clacton	5·5	- 1·7	37	1	30	51·5	+1·4	50·5	+1·3
a Rothamsted	424	60	2nd	30	5th	54·7	41·4	47·7	- 0·4	3	0·20	5	- 6	Rothamsted ..	5·8	- 0·3	39	2	25	48·8	•	•	•
p Tottenham	51	62	2nd	40	4th	56·6	45·1	50·5	—	4	0·28	7	—	Tottenham ..	5·6	—	38	0	32	•	•	49·6	+0·6
														S'thend-on-Sea	5·8	—	39	0	35	51·9	+1·7	—	—
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	61	2nd	36	5, 8	54·3	40·3	46·9	+ 0·7	7	0·41	11	- 2	Harrogate	5·9	+ 0·3	39	1	28	46·0	-0·2	46·0	+0·5
p Sheffield	429	62	2nd	38	5th	55·1	42·3	48·3	—	5	0·54	14	—	Sheffield.. ..	5·7	+ 0·5	37	0	31	47·5	+0·2	45·5	+0·7
p Buxton	987	56	2nd	34	5th	49·6	40·1	44·6	—	7	1·95	50	+ 31	Buxton	4·3	—	28	1	28	45·0	-2·4	44·2	-0·4
b, East .. a Worksop	56	64	2nd	34	5th	58·6	41·6	49·6	+ 1·6	5	0·08	2	- 10	Worksop	5·3	+ 0·2	35	3	26	49·2	—	47·6	—
a Nottingham	82	62	2nd	35	5th	56·0	41·3	48·2	- 0·2	4	0·41	10	- 1	Nottingham ..	5·1	- 0·6	34	3	25	47·9	-1·0	46·8	+0·8
p Birmingham, Edgbsn.	535	57	2nd	38	4, 5	53·7	42·1	47·6	- 0·7	4	0·47	12	- 1	Birmingham ..	4·1	- 0·5	28	1	25	46·0	-0·4	46·0	+0·5
a Raunds	203	65	2nd	31	5th	57·9	40·9	48·9	+ 0·1	3	0·24	6	- 7	Raunds	4·6	—	30	3	24	51·0	—	48·6	—
p Oxford	208	61	2nd	36	5th	56·4	43·3	49·5	+ 0·1	3	0·16	4	- 7	Oxford	4·8	- 1·1	32	1	30	•	•	•	•
														Malvern	5·0	—	34	1	30	49·4	—	48·2	—
a Cheadle (N. Staffs.) ..	646	59	2nd	35	5th	53·6	40·4	46·6	- 0·4	5	0·86	22	+ 9	Cheadle	•	•	•	0	33	•	•	•	•
c, West .. p Tenbury	313	60	2nd	34	5th	56·0	41·7	48·4	+ 0·4	5	0·30	8	- 2	Tenbury	•	•	•	2	28	49·4	—	—	—
a Hereford	291	59	4, 7, 8	35	5th	57·4	41·0	48·7	- 0·2	5	0·28	7	- 5	Ross-on-Wye ..	4·9	—	33	0	33	—	—	—	—
a Clifton	229	59	2nd	40	5, 6	55·4	45·0	49·9	- 0·6	4	0·61	15	- 1	Clifton	5·9	—	40	0	38	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	59	2, 5	30	5th	55·6	40·6	47·7	- 0·2	3	0·50	13	+ 2	Worthing	6·6	- 0·6	45	0	31	52·4	+0·4	50·3	+1·0
p Salisbury (Wilton) ..	180	60	2nd	33	5th	56·9	40·9	48·4	- 1·0	3	0·39	10	- 2	Marlborough ..	4·9	- 0·8	33	?	?	50·2	—	48·7	—
a Wisley, Surrey ..	150	60	2, 3, 6, 7	31	5th	58·1	42·6	49·9	+ 0·6	4	0·36	9	0	Salisbury	•	•	•	1	29	51·4	•	•	•
a Tunbridge Wells ..	354	59	2, 7	31	5th	56·7	41·9	48·9	- 0·2	5	0·51	13	+ 2	Wisley	5·4	- 0·8	36	3	21	50·8	+0·6	49·1	+1·0
a Margate	51	64	2nd	40	4, 5	57·9	45·1	51·1	+ 1·7	4	0·22	6	- 3	Tunbridge Wells	5·3	- 1·3	36	3	27	50·3	+0·6	48·9	—
														Margate	5·3	- 1·1	36	0	35	53·0	+3·2	50·9	+2·9
a Dungeness	21	58	7th	33	5th	56·0	41·6	48·4	- 0·4	4	0·45	11	+ 4	Folkestone ..	5·2	—	35	•	•	•	•	48·0	—
p St. Leonards	178	58	7th	39	4th	56·1	44·6	49·5	+ 0·1	5	0·34	9	0	St. Leonards ..	6·3	- 0·9	43	0	33	53·1	—	50·2	—
p Southampton	64	61	7th	34	5th	57·0	42·7	49·4	- 1·7	4	0·53	13	+ 2	Southampton ..	5·7	- 1·0	39	2	26	•	•	•	•
a Ventnor	59	57	7th	41	5th	55·4	46·3	50·6	+ 0·2	4	0·46	12	+ 2	Ventnor	6·0	- 0·9	41	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	62	2nd	37	5th	57·2	43·1	49·7	- 0·3	5	0·28	7	- 2	Richmond	4·9	- 1·3	33	1	26	50·4	+0·2	49·3	+1·1
a Westminster	27	64	3rd	36	5th	58·4	44·7	51·1	+ 0·3	5	0·37	9	0	Westminster ..	4·7	- 0·6	32	1	30	•	•	•	•
ag Greenwich	149	67	2nd	32	5th	59·4	43·3	50·9	+ 1·1	5	0·37	9	+ 1	Greenwich ..	5·1	- 0·4	34	2	20	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	•	•	•	•
ag Camden Square ..	110	65	2nd	35	5th	60·3	43·7	51·5	0·0	5	0·29	7	- 3	Camden Square	—	—	—	1	30	•	•	•	•
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	55	2nd	36	8th	50·7	39·6	44·8	- 1·9	6	1·42	36	+ 19	Aspatria.. ..	4·2	- 1·3	28	0	33	46·4	-2·9	45·7	-0·9
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	60	2nd	36	8th	52·3	41·6	46·6	- 0·5	7	1·71	44	+ 24	Stonyhurst ..	4·3	- 1·2	28	2	28	•	•	•	•
p Blackpool	66	56	2, 3	40	4th	53·6	43·1	48·0	+ 0·5	7	1·20	30	+ 15	Blackpool ..	4·7	- 1·8	31	0	34	48·0	—	46·7	—
a Southport	37	59	2nd	41	5th	54·3	43·9	48·8	+ 0·9	5	0·68	17	+ 2	Southport ..	6·5	+ 0·3	43	0	32	51·0	+0·3	49·4	+0·7
														Hoylake ..	6·7	+ 0·9	44	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	59	2, 6	40	2nd	54·3	42·9	48·3	- 0·2	5	0·52	13	0	Liverpool ..	6·2	—	41	0	32	•	•	•	•
a Hawarden Bridge ..	22	60	2, 6	38	3rd	55·6	42·7	48·8	- 0·3	7	0·39	10	- 2	Manchester(City)	4·0	- 0·7	26	0	38	47·0	-0·7	47·4	+0·4
p Manchester (Whit. Pk.)	125	60	2nd	40	4th	54·1	44·7	49·1	- 0·1	6	1·15	29	+ 14	Whitworth Park	3·7	- 0·8	25	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	57	6th	41	5th	53·9	44·9	49·1	+ 0·4	5	0·31	8	- 5	Llandudno ..	6·0	- 0·3	39	•	•	•	•	•	•
a Holyhead	15	54	4, 6, 7	42	2, 4	52·9	44·0	48·2	+ 0·3	5	1·34	34	+ 20	Holyhead ..	5·1	—	33	0	38	•	•	•	•
a Beddgelert	309	—	—	—	—	—	—	—	—	—	—	—	—										
a Aberdovey	23	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey ..	—	—	—	•	•	•	•	•	•

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.†	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
8. a. SOUTH WALES.	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	53	2,5	42	4th	51·7	45·0	48·2	—	5	1·45	37	—	Aberystwyth ..	4·1	− 1·6	28	•	•	•	•	•	•
a Rhayader	757	55	5th	35	5th	52·0	40·1	45·7	—	7	1·07	27	—	Rhayader ..	5·2	—	35	1	25	•	•	•	•
a St. Ann's Head	149	51	2, 5, 7	43	4th	50·4	45·1	47·6	− 0·2	5	1·39	35	+ 22	St. Ann's Head ..	5·5	− 0·8	37	•	•	•	•	•	•
p Cardiff	202	60	5th	39	4, 5	54·7	43·9	49·0	+ 0·2	5	1·72	44	+ 27	Cardiff	5·1	—	34	0	32	50·3	−0·1	48·7	+0·7
b. ENGLAND, S.W.																							
a Bath	66	64	2nd	34	5th	58·1	43·9	50·6	+ 1·2	4	0·51	13	0	Bath	4·5	− 1·5	30	—	—	51·2	+0·7	49·8	+1·2
a Shaftesbury	722	57	3rd	36	5th	53·9	40·6	46·9	− 1·0	3	0·31	8	− 7	Shaftesbury ..	•	•	•	•	•	49·3	—	48·2	—
a Arlington	613	59	5th	37	5th	53·6	42·8	47·9	+ 0·3	6	2·05	52	+ 32										
a Newquay	190	58	5th	42	5th	54·4	45·4	49·6	+ 0·4	5	0·81	21	+ 9	Newquay ..	6·5	+ 0·2	44	—	—	52·3	—	50·7	—
a Cullompton	202	62	5th	34	5th	57·7	43·0	49·9	+ 0·5	6	0·38	10	− 5	Cullompton ..	5·2	− 0·6	35	0	32	51·5	•	•	•
a Portland Bill	19	55	7th	44	5th	53·4	45·6	49·3	+ 0·4	3	0·26	7	− 4	Weymouth ..	6·4	—	43	•	•	•	•	•	•
p Plymouth	118	58	3, 7	40	5, 8	55·0	45·1	49·8	− 0·3	4	0·46	12	− 2	Plymouth ..	6·1	− 0·3	41	0	34	52·7	+0·5	50·8	—
a Falmouth	167	57	7th	41	4th	54·0	45·0	49·2	− 0·2	6	0·61	15	− 1	Falmouth ..	6·8	+ 0·2	46	0	34	53·8	—	53·1	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	56	6th	39	4, 8	53·3	42·7	47·7	—	5	1·94	49	—	Mallarany ..	4·5	—	29	0	32	—	—	—	—
a West .. *a* Malin Head	208	56	5th	39	8th	51·4	42·3	46·6	− 0·3	7	0·95	24	+ 10	Malin Head ..	7·2	—	47	•	•	•	•	•	•
a West .. *a* Blacksod Point ..	37	57	5th	37	4th	52·9	42·4	47·3	− 1·0	7	0·93	24	+ 3	Markree Castle	5·9	+ 0·7	39	1	28	49·3	−1·6	47·6	−0·3
a West .. *p* Markree Castle ..	122	61	5th	35	8th	54·9	42·1	48·1	+ 0·7	7	1·20	30	+ 10										
b, East .. *p* Armagh	196	61	6th	36	4th	55·9	40·9	48·0	+ 0·3	7	0·89	23	+ 6	Armagh	6·5	+ 1·4	42	0	31	49·2	−0·5	47·5	−0·1
b, East .. *a* Donaghadee	39	62	6th	—	—	55·1	—	—	—	7	0·63	16	0										
10. IRELAND, S.																							
p Dublin, City	47	61	6th	37	4th	56·1	44·6	50·0	+ 0·4	6	0·44	11	− 3	Trinity Coll. ..	6·7	—	44	0	32	50·6	+0·5	49·1	+0·6
a Birr Castle	175	58	6th	36	4th	53·7	42·3	47·7	0·4	7	0·95	24	+ 9	Phœnix Park ..	5·7	− 1·0	37	3	26	•	•	•	•
a Kilkenny	195	60	6th	35	4th	55·0	42·6	48·4	− 0·2	7	0·89	23	+ 8	Dublin City ..	•	•	•	0	32	•	•	•	•
a Waterford	137	55	4th	35	4th	52·6	42·9	47·5	− 1·9	6	0·98	25	+ 9	Birr Castle ..	5·5	− 0·5	37	0	32	•	•	•	•
p Seskin, Carrick-on-Suir	535	63	6th	34	4th	54·4	41·4	47·5	—	7	1·07	27	—	Seskin	6·1	—	41	0	31	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	59	4th	38	4th	55·1	44·3	49·4	0·0	7	1·33	34	+ 18										
a Cahirciveen (Val. Obs.)	30	55	6th	41	4th	52·7	45·1	48·7	− 0·9	7	2·87	73	+ 50	Cahirciveen ..	5·7	− 0·8	38	0	35	•	•	•	•
a Killarney	174	—	—	39	3, 8	—	44·1	—	—	7	1·18	30	+ 9	Ballinacurra ..	6·2	− 0·6	42	•	•	•	•	•	•
a Roche's Point	32	59	6th	40	4th	53·9	45·1	49·2	0·0	7	1·34	34	+ 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	56	7th	44	4, 5	54·1	46·1	49·9	− 0·1	5	0·37	9	− 3	Scilly	6·6	− 0·2	45	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	64	6th	36	5th	58·0	45·6	51·4	+ 0·1	4	0·34	9	− 4	St. Heliers ..	7·2	0·0	49	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	60	6th	40	5th	56·6	46·1	51·0	− 0·3	3	0·38	10	− 2	Guernsey† ..	7·5	+ 0·2	51	1	27	52·6	0·0	51·7	+1·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 8th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	4	1	2 to 5, 7	44	45	61	4	13	290	19	4	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	64	84	20	0	320	9	4	11	19	2	22	55
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	—	2, 4	9	55	96	8	0	90	15	2	9	—	—	—	—
Edinburgh	485	39	31	—	—	2 to 4, 7	26	106	35	1	0	230	14	3	8	24	3	11	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	2, 3	3	2, 3, 5 to 7	39	90	23	13	0	200	19	2	24	28	3	0	25
Paisley	188	81	15	—	—	2, 5, 6	5	101	62	0	0	200	12	6	3	27	6	2	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	3	10	43	95	20	0	230	15	3	11	27	3	10	55
South Shields	72	61	12	—	—	2, 3, 7	20	77	65	6	0	270	17	3	15	30	3	14	35
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	2, 3, 6	20	104	42	2	0	190	15	2	9	23	3	15	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	3	3	84	64	17	0	230	12	3	9	19	3	9	10
5. ENGLAND, S.E.																			
Brighton	281	53	6	—	—	—	—	70	85	13	0	—	10	3	3	17	2	19	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	56	96	16	0	200	9	2	14	17	17	13	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	2 to 5, 7, 8	56	89	23	0	0	230	17	3	8	—	—	—	—
Southport	80	62	48	2, 3	14	2 to 4, 6 to 8	57	85	12	0	0	240	24	3	7	32	3	5	50
Holyhead	60	40	‡	3	8	2 to 7	54	94	12	0	0	240	19	3	5	28	3	4	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	2, 3, 5 to 7	59	64	22	4	19	200	17	2	1	23	2	0	15
Plymouth	185	88	2	—	—	2	5	93	64	6	0	—	14	2	1	19	2	0	55
Lyme Regis	556	61	‡	—	—	—	—	69	63	36	0	—	10	2	17	15	2	16	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	2	3	2, 3, 5, 7	34	84	47	0	0	230	21	2	22	—	—	—	—
Quilty	100	40	‡‡	2, 3	13	2, 3, 5 to 8	63	80	11	1	0	—	20	2	23	30	2	23	30
Cahirciveen (Val' Obs.)	98	41	‡‡‡	—	—	2, 3, 5	36	103	25	4	0	210	16	2	10	27	2	8	25
Weaver Pt.	160	30	‡	2	4	2, 3, 5, 6	35	95	34	0	0	—	19	2	12	29	2	12	10
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	2	9	73	59	24	3	250	12	2	18	19	2	20	35

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

EIGHTEENTH WEEK of 1920—May 2nd to May 8th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Deviation from Normal.	Accumulated Below 42°	Accumulated Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	60	30	83·6	76·5	79·8	− 0·4	32	− 3	10	0	7	+ 2	1·51	38	+ 20	4·5	−0·9	28	1006
Eastern.																			
1. SCOTLAND, EAST ...	62	26	85·2	76·5	80·6	+ 0·1	41	0	10	− 1	5	+ 1	0·55	14	+ 1	6·6	+1·4	42	1008
2. ENGLAND, N.E.	65	32	86·3	78·2	82·0	+ 0·8	46	+ 5	2	− 3	5	+ 1	0·28	7	− 4	6·1	+0·2	40	1013
3. ENGLAND, EAST ...	66	30	86·9	78·3	82·3	+ 0·2	50	− 2	1	− 4	3	− 1	0·25	7	− 3	5·9	−0·5	39	1019
4. MIDLAND COUNTIES ...	65	31	86·4	78·5	82·2	+ 0·3	46	− 6	1	− 6	4	+ 1	0·38	10	− 2	5·2	−0·4	35	1018
5. ENGLAND, S.E.	64	30	86·7	79·1	82·7	0·0	52	− 3	0	− 2	4	+ 1	0·40	10	0	5·6	−1·0	38	1020
Western.																			
6. SCOTLAND, WEST ...	60	34	84·5	77·9	81·0	− 0·3	35	− 8	3	− 2	7	+ 3	1·61	41	+ 21	5·4	−0·2	35	1010
7. ENGLAND, N.W.	60	36	84·9	79·1	81·8	+ 0·1	41	− 3	0	− 3	6	+ 2	0·97	25	+ 9	5·4	−0·3	35	1015
8. ENGLAND, S.W.	64	34	85·4	79·4	82·2	− 0·1	46	− 4	0	− 2	5	+ 1	0·88	22	+ 6	5·5	−0.5	37	1020
9. IRELAND, NORTH ...	62	35	85·1	78·6	81·6	− 0·1	39	− 5	0	− 3	7	+ 2	0·93	24	+ 6	6·2	+1·1	40	1010
10. IRELAND, SOUTH ...	61	35	85·4	79·6	82·3	− 0·2	48	− 4	0	− 1	7	+ 3	1·25	32	+ 14	5·8	−0·8	39	1016
11. ENGLISH CHANNEL ...	64	36	86·4	80·7	83·4	0·0	62	+ 1	0	0	4	0	0·36	9	− 4	7·1	−0·1	48	1023

THE SEASON (Spring).—Aggregates, &c., for the Period of 10 Weeks, February 29th to May 8th, 1920.

0. SCOTLAND, NORTH ...	60	25	81·9	75·7	78·7	+ 0·6	207	+ 16	167	− 70	51	+ 4	11·37	286	+ 68	3·8	0·0	29	1005
Eastern.																			
1. SCOTLAND, EAST ...	62	22	82·4	75·4	78·8	+ 0·6	231	− 4	182	− 83	48	+ 7	6·39	163	+ 35	3·9	−0·3	30	1005
2. ENGLAND, N.E.	65	24	83·7	76·8	80·2	+ 1·2	325	+ 65	95	− 98	49	+11	6·52	166	+ 66	3·5	−0·8	27	1008
3. ENGLAND, EAST ...	68	24	85·2	77·3	81·1	+ 1·7	420	+ 95	83	−112	44	+ 9	4·73	122	+ 27	4·1	−0·7	32	1011
4. MIDLAND COUNTIES ...	67	20	84·5	77·2	80·7	+ 1·3	377	+ 38	83	−128	48	+14	7·42	188	+ 82	3·2	−1·1	25	1010
5. ENGLAND, S.E.	67	23	85·2	78·0	81·5	+ 1·4	437	+ 92	58	− 86	45	+11	5·14	131	+ 24	3·8	−1·1	30	1012
Western.																			
6. SCOTLAND, WEST ...	60	22	82·6	76·7	79·5	+ 0·4	256	− 2	103	− 76	55	+14	10·46	267	+ 78	3·3	−1·0	25	1007
7. ENGLAND, N.W.	64	22	83·3	77·6	80·4	+ 1·0	300	+ 27	60	− 96	54	+17	9·92	253	+116	3·2	−1·2	25	1008
8. ENGLAND, S.W.	68	22	84·1	78·0	81·0	+ 0·9	364	+ 33	53	− 67	53	+16	9·80	249	+ 90	3·6	−1·1	28	1011
9. IRELAND, NORTH ...	62	23	83·2	76·5	79·7	0·0	296	+ 7	111	− 32	54	+ 8	7·95	202	+ 43	3·7	−0·4	29	1006
10. IRELAND, SOUTH ...	61	28	84·0	77·5	80·6	+ 0·2	342	− 15	69	− 37	54	+14	10·36	262	+ 93	3·8	−0·9	29	1009
11. ENGLISH CHANNEL ...	65	33	85·0	80·1	82·4	+ 1·0	502	+103	7	− 28	46	+ 7	5·87	147	+ 17	4·9	−0·7	38	1013

THE YEAR 1920.—Aggregates, &c., for the Period of 18 Weeks, January 4th to May 8th, 1920.

0. SCOTLAND, NORTH ...	60	19	81·0	75·1	78·0	+ 0·7	269	+ 25	381	−141	95	+ 7	28·14	713	+244	2·7	0·0	24	1004
Eastern.																			
1. SCOTLAND, EAST ...	62	19	81·4	74·7	78·0	+ 0·8	297	+ 6	443	−156	84	+11	11·56	294	+ 52	3·2	0·0	29	1006
2. ENGLAND, N.E.	65	24	82·6	76·0	79·3	+ 1·4	468	+138	280	−186	80	+12	10·02	255	+ 78	3·1	−0·4	28	1010
3. ENGLAND, EAST ...	68	20	83·8	76·2	79·9	+ 1·8	592	+191	270	−218	71	+ 5	7·41	191	+ 17	3·3	−0·3	30	1014
4. MIDLAND COUNTIES ...	67	20	83·3	76·3	79·8	+ 1·7	545	+121	263	−250	81	+16	12·12	307	+107	2·7	−0·5	24	1013
5. ENGLAND, S.E.	67	17	83·9	77·2	80·5	+ 1·7	649	+204	166	−210	77	+13	8·87	227	+ 19	3·2	−0·6	29	1015
Western.																			
6. SCOTLAND, WEST ...	60	22	81·8	76·1	78·9	+ 0·7	368	+ 34	268	−141	99	+20	20·76	529	+136	2·5	−0·6	23	1009
7. ENGLAND, N.W.	64	22	82·6	76·9	79·7	+ 1·3	464	+111	187	−192	89	+19	16·52	420	+151	2·7	−0·5	24	1011
8. ENGLAND, S.W.	68	17	83·3	77·5	80·4	+ 1·3	568	+111	131	−168	89	+18	16·44	416	+100	2·9	−0·7	27	1014
9. IRELAND, NORTH ...	62	23	82·7	76·2	79·4	+ 0·6	489	+ 92	241	− 95	99	+14	15·39	391	+ 79	2·9	−0·2	26	1008
10. IRELAND, SOUTH ...	61	22	83·5	77·2	80·3	+ 0·7	575	+ 58	145	−113	97	+20	18·11	458	+117	3·0	−0·5	27	1012
11. ENGLISH CHANNEL ...	65	29	84·1	79·6	81·8	+ 1·1	772	+180	20	− 85	76	− 1	10·18	255	− 9	3·9	−0·3	35	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: May 14th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

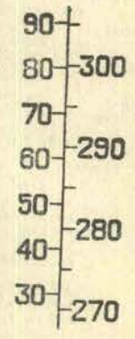
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 19.

NINETEENTH WEEK, SUNDAY, MAY 9TH TO SATURDAY, MAY 15TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Atmospheric conditions over the British Isles were mainly anticyclonic and the weather over England fairer and drier than during any week since that ended March 13th. About the middle of the week a depression passed north-eastwards over our western districts where for several days the weather was unsettled; thunder and hail were reported at several stations. Saturday was the warmest day in the northern and western districts, but over the east and south-east of England, where the absolute maximum for the week occurred, it fell on Wednesday, several stations recording readings of 296 a. Minimum temperatures below 273 a in the screen were registered at Balmoral and West Linton (Scotland E.) and at Rhayader (S. Wales), while on the grass the thermometer went down to 267 a at Aberdeen and West Linton and to 266 a at Rhayader. The mean temperature was again rather below the normal in Scotland, but in all other districts it showed an excess. In Scotland N. and also in Ireland N., where rain fell on five out of the seven days, the total rainfall was more than the normal, but over the United Kingdom generally there was a deficiency, the largest deficit being 9mm. in England E.; at several stations the week was practically rainless. The records of bright sunshine were, as a rule, abnormally large, the daily mean for England E., 10·0 hr., being as much as 3·6 hr. more than the normal; the figure for Yarmouth, 11·3 hr. per day, was equivalent to 74 per cent. of the possible duration. Aurora was witnessed at Tenbury on the 12th and at Aberdeen on the 13th; solar halos were observed in different parts of Great Britain on the 9th, 11th, 14th and 15th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	18	4·4	12	3·1	13	23	8	2·0	14	4·9	11	1·5	20	3·2	18	2·9
North	3	4·6	4	1·4	8	21	5	1·9	8	3·0	14	1·0	3	1·1	4	1·7
West	19	6·0	18	6·3	13	38	12	3·3	17	5·3	11	2·9	14	6·8	14	6·0
East	8	5·5	4	2·4	12	69	10	6·2	10	4·0	15	3·1	11	2·3	9	2·8
Calm	·1	—	6	—	2	—	6	—	0	—	0	—	3	—	4	—

* For Deerness the week ends at midnight on Friday. † Until the end of March 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.												
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Heavy	Moderate	Light	Light	Moderate	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Abundant	Abundant	Abundant	Very abundant	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 11 weeks from Feb. 29th, 1920.	Warmth ...	4, 6, 1	3, 6, 2	6, 4, 1	6, 5, 0	4, 7, 0	7, 4, 0	4, 6, 1	4, 6, 1	5, 4, 2	3, 6, 2	2, 7, 2	7, 4, 0
	Rainfall ...	6, 5, 0	4, 5, 2	7, 2, 2	4, 5, 2	6, 5, 0	3, 7, 1	6, 5, 0	8, 3, 0	8, 3, 0	6, 4, 1	7, 2, 2	3, 7, 1
	Sunshine ...	3, 6, 2	5, 3, 3	2, 4, 5	2, 5, 4	3, 4, 4	3, 4, 4	1, 4, 6	2, 5, 4	1, 6, 4	1, 5, 5	1, 5, 5	0, 5, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28640—19) Wt. 24—561/P 25 625 5/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of in-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
0. SCOTLAND, N.	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F	
a, Islands .. a Lerwick ..	54	54	11th	36	15th	50·0	39·9	44·7	+ 1·2	5	0·56	14	+ 1										
a, Islands .. p Deerness, Orkney	165	53	11th	37	9th	49·7	40·6	44·9	—	5	0·41	11	- 1	Deerness ..	7·9	+ 2·3	48	•	•	•	•	•	•
a, Islands .. a Stornoway	51	58	15th	36	9th	52·6	41·4	46·7	+ 1·1	5	1·34	34	+ 18	Stornoway ..	4·9	- 1·0	30	•	•	•	•	•	•
a, Islands .. a Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•	•
b, Mainland. a Wick	81	54	12th	35	9–11	50·7	39·1	44·6	- 0·6	3	0·39	10	- 3										
b, Mainland. a Strathpeffer	125	60	10, 15	34	9, 10	55·4	37·9	46·1	- 1·0	4	0·73	19	+ 8										
b, Mainland. p Glencarron	500	62	15th	36	9th	52·7	39·6	45·8	- 0·2	5	1·09	28	0										
b, Mainland. a Fort Augustus.	68	66	15th	34	10th	55·4	40·0	47·2	+ 0·5	5	0·63	16	+ 1										
b, Mainland. p Fort William	171	66	15th	36	9th	55·6	41·0	47·9	- 0·1	5	1·29	33	+ 10										
2. SCOTLAND, E. a Nairn	82	61	12, 15	36	10, 11	56·4	39·7	47·6	+ 0·4	5	0·40	10	- 1	Nairn ..	6·2	—	38	•	•	•	•	•	•
p Gordon Castle	101	68	15th	36	10th	57·6	40·1	48·3	+ 0·8	3	0·09	2	- 10	Gordon Castle..	7·7	—	48	•	•	•	•	•	•
a Aberdeen	46	57	14, 15	35	10th	55·9	40·7	47·8	+ 1·0	3	0·27	7	- 7	Aberdeen ..	7·9	+ 2·0	49	2	23	•	•	45·0	+0·1
a Balmoral	930	68	15th	29	10th	55·0	35·7	44·8	+ 0·3	3	0·09	2	- 12	Balmoral ..	•	•	•	2	25	•	•	•	•
p Crieff	432	65	15th	33	9th	54·4	37·6	45·5	- 2·9	5	0·62	16	+ 2	Crathes ..	7·1	+ 1·7	45	2	25	48·4	+0·6	45·6	+0·4
a Dundee	244	65	15th	32	9th	57·7	37·3	46·9	- 0·9	2	0·31	8	- 4	Dundee ..	8·0	—	50	3	25	48·1	•	•	•
a Leith	30	64	15th	31	11th	56·9	39·7	47·8	- 0·7	4	0·39	10	- 1	Leith ..	•	•	•	0	32	•	•	•	•
p Edinburgh	441	64	15th	36	9th	55·3	41·3	47·9	+ 0·9	3	0·28	7	- 3	Edinburgh ..	6·7	+ 1·2	42	1	30	•	•	•	•
a West Linton	769	66	15th	28	11th	54·4	36·3	44·8	- 0·2	4	0·65	17	—	West Linton ..	5·4	—	34	2	22	•	•	•	•
p Marchmont	498	65	15th	35	10th	55·3	39·0	46·7	0·0	2	0·20	5	- 9	Marchmont .	6·4	+ 0·9	41	•	•	•	•	•	•
6. a, SCOTLAND, W. a Ford (Argyll)	149	66	15th	35	9th	54·7	40·6	47·2	—	6	0·64	16	—	Ford (Argyll) ..	•	•	•	3	28	48·9	—	46·0	—
p Glasgow Observatory	180	65	15th	38	11th	55·0	42·4	48·3	- 0·6	3	0·52	13	- 1	Glasgow ..	4·4	- 0·5	28	2	28	•	•	•	•
p Rothesay	200	63	15th	36	9th	54·3	40·9	47·2	- 1·7	5	0·86	22	+ 5	Rothesay ..	5·7	—	36	2	28	49·1	—	47·0	-0·1
a Kilmarnock	90	68	15th	36	9th	57·9	41·3	49·1	+ 0·8	4	0·75	19	+ 5	Kilmarnock ..	6·5	—	41	•	•	48·7	—	46·4	—
a Colmonell	170	67	15th	33	10th	56·7	42·0	48·9	+ 0·5	2	0·12	3	— 11	Colmonell ..	•	•	•	1	30	•	•	•	•
p Cally, Gatehouse	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	6·5	—	41	2	23	48·7	-1·6	46·5	-1·7
p Dumfries	160	68	15th	33	10th	57·6	40·7	48·6	- 0·7	2	0·37	9	- 5	Eskdalemuir ..	5 3	—	34	3	21	•	•	•	•
a Eskdalemuir	794	67	15th	31	10, 11	55·1	36·7	45·4	—	4	0·68	17	—										
b, I. OF MAN p Douglas	277	62	15th	38	10th	55·0	43·0	48·6	- 0·1	4	0·52	13	- 1	Douglas ..	6·1	- 0·6	39	1	30	•	•	•	•
2. ENGLAND, N.E. a Alnwick Castle	210	61	15th	38	10th	58·0	41·0	49·0	+ 1·7	3	0·47	12	- 1										
a Tynemouth	118	59	14, 15	39	9, 10	56·0	43·1	49·2	+ 2·0	2	0·29	7	- 4	Cockle Park ..	7·0	+ 1·3	45	1	29	46·8	-1·3	45·8	-0·2
a North .. p Durham	336	62	14th	35	10th	57·9	40·6	48·7	+ 1·2	2	0·32	8	- 3	Durham ..	7·8	+ 2·6	50	2	25	•	•	•	•
a North .. p Rounton	249	66	15th	31	10th	59·4	40·4	49·3	+ 2·0	1	0·13	3	- 8	Rounton ..	•	•	•	3	22	49·3	•	•	•
a North .. a West Witton	605	66	15th	33	10, 11	58·9	39·1	48·4	—	3	0·30	8	—	West Witton ..	•	•	•	2	28	49·2	—	44·8	—
a North .. p Scarborough	100	62	12, 14	39	9th	57·9	43·3	50·2	+ 1·9	2	0·14	4	- 7	Scarborough†† ..	8·1	+ 2·0	52	•	•	•	•	48·9	—
a North .. p York	56	66	15th	37	10th	60·4	43·1	51·2	+ 1·2	2	0·09	2	- 9	York ..	7·8	+ 2·4	50	—	—	49 7	0·0	47·2	0·0
b, South .. a Spurn Head	26	67	12th	41	10th	57·4	44·3	50·5	+ 1·8	1	0·12	3	- 5	Spurn Head ..	•	•	•	•	•	•	•	•	•
b, South .. a Lincoln	58	67	12th	36	10th	61·7	43·4	52·0	+ 1·3	1	0·07	2	- 8	Lincoln ..	•	•	•	0	32	49·7	-0·9	47·8	+0·4
b, South .. a Fulbeck	180	67	12th	32	10th	62·1	41·1	51·0	+ 0·9	3	0·09	2	- 9	Fulbeck ..	9·5	+ 3·1	62	•	•	—	—	—	—
														Skegness ..	11·0	+ 4·3	71	•	•	•	•	•	•
3. ENGLAND, E. p Cromer	196	72	12th	38	10th	61·4	41·7	51·0	+ 1·9	2	0·02	1	- 8	Cromer ..	10·7	+ 4·3	69	•	•	•	•	•	•
a Little Massingham	280	68	12th	37	10th	61·9	40·9	50·8	+ 1·1	1	0·06	2	- 9	Lit. Massingham	9·3	+ 3·0	60	•	•	•	•	•	•
a Yarmouth	13	72	12th	40	10th	59·7	44·7	51·8	+ 3·0	1	0·01	0·2	- 10	Yarmouth ..	11·3	—	74	0	37	52·4	-1·3	50·3	—0·7
a Norwich	93	73	12th	37	10th	63·9	43·6	53·1	+ 2·8	1	0·03	1	- 10	Norwich ..	10·2	—	66	1	30	53·5	•	•	•
a Geldeston	37	73	12th	35	10th	63·7	41·0	51·7	+ 2·1	0	0·00	0	- 10	Geldeston ..	9·9	+ 3·2	65	•	•	•	•	•	•
p Cambridge	41	73	12th	34	10, 14	64·7	39·7	51·5	+ 0·7	1	0·02	1	- 9	Cambridge ..	10·4	+ 4·1	68	0	31	53·9	+1·3	51·1	+1·3
a Clacton-on-Sea	54	66	12th	40	14th	60·1	46·0	52·6	+ 2·9	1	0·03	1	- 7	Clacton ..	9·4	+ 2·1	61	0	33	53·6	+1·8	51·2	+1·0
a Rothamsted	424	67	12th	38	10, 14	61·0	42·7	51·3	+ 1·5	1	0·06	2	- 9	Rothamsted ..	10·1	+ 3·9	66	3	29	51·0	•	•	•
p Tottenham	51	71	12th	39	10th	64·1	45·6	54·3	—	1	0·03	1	—	Tottenham ..	9·2	—	60	0	37	•	•	50·4	+0·2
														S'thend-on-Sea	9·8	—	64	0	38	53·9	+1·4	—	—
4. MIDLAND COUNTIES. a Barrogate	479	65	15th	37	10th	59·6	41·1	49·8	+ 2·1	1	0·12	3	- 7	Harrogate ..	9·0	+ 3·4	58	2	29	47·7	0 0	46·7	+0·2
a North .. p Sheffield	429	65	15th	40	10th	59·7	43·1	50·9	—	1	0·28	7	—	Sheffield ..	7·8	+ 2·6	51	0	31	49·8	+0·8	46·3	+0·6
a North .. p Buxton	987	63	15th	35	10th	56·2	40·1	47·7	—	2	0·39	10	- 4	Buxton ..	7·4	—	48	1	29	47·6	-1·0	44·7	-0·7
b, East .. a Worksop	56	68	14, 15	32	10th	63·9	40·7	51·6	+ 2·0	1	0·13	3	- 6	Worksop ..	8·5	+ 3·3	55	2	25	51·2	—	48·3	—
b, East .. a Nottingham	82	65	12, 15	34	10th	61·7	41·9	51·2	+ 1·2	2	0·28	7	- 2	Nottingham ..	6·6	+ 1·0	43	2	25	51·0	+0·2	47·7	+0·5
b, East .. p Birmingham, Edgbsn.	535	65	15th	38	10th	60·6	43·1	51·3	+ 1·3	2	0·48	12	+ 2	Birmingham ..	6·6	+ 2·0	43	1	24	47·6	-0·1	46·2	+0·1
b, East .. a Raunds	203	69	12th	34	10th	64·0	40·9	51·8	+ 1·3	1	0·15	4	- 7	Raunds ..	9 0	—	58	2	27	52·4	—	49·0	—
b, East .. p Oxford	208	67	12th	36	10th	63·4	43·0	52·6	+ 1·6	2	0·39	10	+ 1	Oxford ..	7·8	+ 1·8	51	0	31	•	•	•	•
														Malvern ..	7·2	—	47	0	34	51·9	—	49·2	—
c, West .. a Cheadle (N. Staffs.)	646	64	12th	36	10th	57·9	40·3	48·6	0·0	2	0·61	15	+ 5	Cheadle ..	•	•	•	0	32	•	•	•	•
c, West .. p Tenbury	313	67	14th	32	10th	62·0	40·4	50·6	+ 1·1	1	0·27	7	- 1	Tenbury ..	•	•	•	1	28	51·7	—	—	—
c, West .. a Hereford	291	67	14th	39	10th	62·1	43·0	52·9	+ 1·5	1	0·30	8	- 2	Ross-on-Wye ..	6·4	—	42	0	35	—	—	—	—
c, West .. a Clifton	228	65	11, 15	40	10th	61·7	46·4	53·6	+ 1·4	2	0·44	11	- 1	Clifton ..	6·7	—	44	0	39	•	•	•	•
5. ENGLAND, S.E.														Worthing ..	9·1	+ 1·8	60	0	36	54·6	+0·8	51·1	+0·7
a Marlborough	424	66	11th	32	10th	62·4	40·6	50·9	+ 1·2	3	0·31	8	- 2	Marlborough ..	5·6	- 0·2	37	1	27	52·6	—	49·4	—
p Salisbury (Wilton)	180	69	11th	36	10th	64·0	42·7	52·7	+ 1·4	1	0·22	6	- 4	Salisbury ..	•	•	•	0	33	54·5	•	•	•
a Wisley, Surrey	150	71	12th	36	10th	65·7	42·3	53·3	+ 2·2	1	0·02	1	- 7	Wisley ..	9·5	+ 3·1	62	3	25	53·5	+1·2	49·9	+0·6
a Tunbridge Wells	364	69	12th	37	10th	64·0	43·6	53·2	+ 2·4	2	0·15	4	- 6	Tunbridge Wells	8·2	+ 1·5	54	2	29	52·1	-0·1	49·5	—
a Margate	51	73	12th	44	9, 10	62·3	48·6	55·0	+ 3 8	2	0·06	1	- 7	Margate ..	8·6	+ 2·1	56	0	37	55·0	+3·5	52·0	+2·9
a Dungeness	21	62	12th	38	10th	58·7	44·9	51·4	+ 0·8	1	0·02	0·4	- 6	Folkestone ..	8·9	—	58	•	•	•	•	48·1	—
p St. Leonards	178	65	11th	43	10th	60·7	47·0	53·4	+ 2·2	4	0·12	3	- 5	St. Leonards ..	10·0	+ 2·7	66	0	38	54·2	—	51·1	—
p Southampton	64	68	11th	40	14th	64·6	45·3	54·4	+ 1·5	2	0·12	3	- 7	Southampton ..	8·5	+ 1·7	56	0	31	•	•	•	•
a Ventnor	59	63	14th	45	14th	59·9	48·0	53·6	+ 1·5	3	0·09	2	- 7	Ventnor ..	7·1	+ 0·1	47	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	70	12th	39	10th	63·6	45·4	54·0	+ 2·1	2	0·03	1	- 8	Richmond ..	8·8	+ 2·5	58	1	30	52·9	+0·7	49·8	+0·7
a Westminster	27	71	12th	42	14th	64·8	47·0	55·4	+ 2·8	1	0·02	0·4	- 8	Westminster ..	8·9	+ 3·5	58	0	34	•	•	•	•
ag Greenwich	149	72	12th	39	10, 14	65·1	43·9	53·9	+ 2·5	1	0·01	0	- 9	Greenwich ..	8 8	+ 3·1	58	2	27	•	•	•	•
a Hampstead	450	69	12th	41	14th	62·1	45·0	53·0	—	1	0·02	1	—	Hampstead ..	8·9	—	58	—	—	•	•	•	•
ag Camden Square	110	74	12th	41	11, 14	67·4	46·1	56·1	+ 2·7	1	0·01	0	- 9	Camden Square	—	—	—	0	35	•	•	•	•
7. a, ENGLAND, N.W. p Aspatria (Mealsgate)	487	66	15th	35	9th	55·1	40·9	47·6	- 0·7	3	0·49	13	0	Aspatria ..	5·9	0·0	38	0	32	48·1	-2·3	46·2	-1·1
p Newton Rigg	559	—	—	34	10th	—	38·4	—	—	2	0·35	9	- 4	Newton Rigg ..	5·6	- 0·4	36	—	—	48·4	-0·9	46·0	0·0
p Stonyhurst	375	65	15th	36	9th	58·0	43·7	50·4	+ 1·6	3	0·46	12	- 3	Stonyhurst ..	7·2	+ 1 4	46	0	31	•	•	•	•
p Blackpool	66	65	15th	40	15th	58·1	45·0	51·2	+ 2·1	1	0·57	14	+ 2	Blackpool ..	7·2	+ 0·2	46	0	31	51·7	—	47·4	—
a Southport	37	66	15th	38	10th	58·9	44·9	51·5	+ 1·9	3	0·36	9	- 2	Southport ..	7·5	+ 0·7	48	0	31	54·0	+1·5	51·0	+1 0
														Hoylake ..	7·1	+ 1·0	46	•	•	•	•	•	•
a Liverpool (Bidston)	188	68	15th	41	10th	58·6	44·7	51·2	+ 1·0	1	0·24	6	- 4	Liverpool ..	7·1	—	46	0	31	•	•	•	•
a Hawarden Bridge	22	65	15th	237	10th	59·1	44·7	51·5	+ 0·8	2	0·19	5	- 5	Manchester (City)	5·9	+ 1·0	38	0	35	49·1	-0·5	48·0	+0·1
p Mancnester (Whit. Pk.)	125	70	15th	40	10th	60·3	45·9	52·7	+ 1·8	2	0·30	8	- 3	Whitworth Park	6·7	+ 1·9	43	•	•	•	•	•	•
b, NORTH WALES. p Llandudno	16	63	15th	41	10th	57·0	45·4	50·9	+ 0·6	2	0·48	12	+ 2	Llandudno ..	6·3	- 0·5	40	•	•	•	•	•	•
a Holyhead	15	64	15th	42	10th	58·1	45·7	51·5	+ 2·2	2	0·22	6	- 4	Holyhead ..	7·2	—	46	0	31	•	•	•	•
a Aberdovey	22	63	12th	42	9th	57·3	47·4	52·1	—	1	0·39	10	—	Aberdovey ..	5·9	- 0·4	38	•	•	•	•	•	•

††Earth temperature at 3¼ feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation. from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
c. *a* SOUTH WALES.	59	65	15th	39	10th	58·1	46·9	52·2	—	1	0·30	8	—	6·4	+ 0·1	42	•	•	•	•	•	•
a Aberystwyth	767	63	15th	30	10th	57·7	39·7	48·2	—	2	0·29	7	—	6·8	—	44	5	19	•	•	•	•
a Rhayader	149	62	15th	42	10th	55·1	45·7	50·1	+ 0·8	2	0·24	6	- 4	7·2	+ 0·1	47	•	•	•	•	•	•
a St. Ann's Head ..	202	65	14th	39	10th	60·4	44·4	51·9	+ 1·3	3	0·64	16	+ 3	6·7	—	44	0	33	52·8	+0·4	49·5	+0·5
p Cardiff																						
b, ENGLAND, S.W.	66	68	11th	36	10th	64·0	44·4	53·6	+ 2·4	2	0·36	9	- 1	5·1	- 1·8	34	—	—	53·5	+0·8	50·7	+0·9
a Bath	722	65	11th	38	15th	59·1	42·0	50·0	+ 0·3	1	0·25	6	- 5	•	•	•	•	•	52·0	—	49·3	—
a Shaftesbury	613	66	11th	37	10th	59·4	44·1	51·3	+ 2·0	3	0·45	11	- 4									
a Arlington	190	62	11th	42	14th	58·1	46·9	52·2	+ 1·5	1	0·26	7	- 2	7·2	+ 0·1	48	—	—	54·0	—	51·1	—
a Newquay																						
a Cullompton	202	69	14th	35	10th	63·9	43·1	52·9	+ 1·7	2	0·35	9	- 2	6·8	+ 0·4	45	0	32	53·9	•	•	•
a Portland Bill	19	58	14th	43	10th	55·9	46·9	51·1	+ 0·6	3	0·29	7	- 1	7·8	—	51	•	•	•	•	•	•
p Plymouth	116	62	11th	41	14th	60·1	47·4	53·4	+ 1·6	2	0·28	7	- 4	6·4	- 0·6	42	0	36	54·5	+0·5	51·4	—
a Falmouth	167	64	14th	41	10th	59·3	45·6	52·0	+ 1·0	4	0·37	9	- 3	7·0	- 0·5	46	0	35	56·1	—	53·8	—
9. IRELAND, N.																						
a West .. { *a* Mallarany	120	65	15th	41	9th	55·6	44·0	49·5	—	4	1·49	38	—	4·6	—	29	—	—	—	—	—	—
a Malin Head	20ft	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	•	•	•	•	•	•
a Blacksod Point ..	37	64	15th	40	9, 10	55·4	44·0	49·4	- 0·3	6	0·91	23	+ 8	5·9	0·0	38	2	27	51·4	-0·8	48·5	-0·2
p Markree Castle ..	122	68	15th	34	10th	57·9	41·0	48·9	0·0	5	0·75	19	+ 5									
b, East .. { *p* Armagh	196	66	15th	36	9, 10	57·9	41·9	49·4	+ 0·1	5	0·37	10	- 3	6·2	+ 0·4	39	1	27	49·9	-1·4	48·2	-0·3
a Donaghadee	39	60	14th	—	—	55·1	—	—	—	5	0·57	14	+ 2									
10. IRELAND, S.																						
p Dublin, City	47	62	14th	39	9th	58·0	44·1	50·6	- 0·6	3	0·25	6	- 5	6·4	—	42	0	34	51·5	0·0	49·8	+0·4
a Birr Castle	175	67	15th	35	9th	58·1	41·6	49·4	- 0·2	3	0·31	8	- 4	6·1	0·0	39	0	31	•	•	•	•
a Kilkenny	195	66	14th	32	9th	60·1	41·7	50·4	+ 0·2	4	0·35	9	- 3	•	•	•	0	34	•	•	•	•
a Waterford	137	64	15th	36	9th	57·3	44·1	50·3	- 0·6	3	0·50	13	+ 1	6·8	+ 1·3	44	2	27	•	•	•	•
p Seskin, Carrick-on-Suir	535	65	14th	36	9, 10	59·1	41·1	49·6	—	5	0·40	10	—	7·2	—	46	1	30	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—									
a Foynes	50	66	15th	41	9–11	57·9	43·9	50·5	- 0·4	4	0·63	16	+ 4									
a Cahirciveen (Val. Obs.)	30	66	15th	42	15th	57·0	46·0	51·2	+ 0·2	1	0·08	2	- 15	7·8	+ 1·7	51	0	36	•	•	•	•
a Killarney	174	68	14th	45	9, 14	61·0	47·1	53·6	+ 2·8	5	0·64	16	0	7·0	+ 0·9	46	•	•	•	•	•	•
a Roche's Point	32	59	15th	40	9th	55·9	45·0	50·1	- 0·5	3	0·20	5	- 8									
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	59	10, 14	45	10th	56·9	47·7	52·0	+ 0·7	2	0·09	2	- 5	6·3	- 1·2	42	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	69	11th	46	14th	62·3	50·3	55·9	+ 3·1	2	0·24	6	- 1	5·6	- 2·5	37	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	67	11th	45	14th	60·7	49·3	54·7	+ 1·9	3	0·35	9	+ 2	5·8	- 2·5	38	—	—	—	—	—	—

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 15th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Height. Above Ground.	Height. Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	More than 17 m/s or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	8, 12 to 14	40	72	50	6	0	290	16	14	7	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	13	118	37	0	200	8	13	18	22	13	17	35
Aberdeen (Cup Anr.)¶..	120	72	12	—	—	13	1	34	105	28	0	240	13	13	13	—	—	—	—
Edinburgh	486	39	31	—	—	13	12	56	63	37	0	270	17	13	13	27	13	13	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	13	4	12, 13	15	40	65	44	0	260	22	13	10	30	13	10	5
Paisley	188	81	15	—	—	13	4	27	91	46	0	290	12	13	14	27	13	13	15
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
South Shields	72	61	12	—	—	13	10	50	83	20	5	280	17	13	14	26	13	13	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	15	10	62	82	14	0	80	13	15	23	17	15	23	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	44	84	34	6	110	8	11	8	14	11	7	20
5. ENGLAND, S.E.																			
Brighton	361	53	6	—	—	—	—	40	89	39	0	—	9	15	22	15	15	21	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	42	86	40	0	80	10	15	14	16	15	21	35
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	12 to 14	19	64	71	14	0	250	17	13	6	—	—	—	—
Southport	80	62	48	—	—	9, 12 to 14	33	66	68	1	0	260	17	13	6	23	13	5	55
Holyhead	60	40	‡	—	—	12, 13	12	84	43	2	27	250	13	13	7	19	13	2	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	11, 15	20	85	27	9	27	80	15	11	10	19	15	13	10
Plymouth	185	88	2	—	—	11	1	51	98	18	0	—	11	11	17	17	11	17	10
Lyme Regis	556	61	‡	—	—	—	—	4	48	116	0	—	7	11	13	10	11	19	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	‡	—	—	11, 13, 14	15	55	79	19	0	260	15	13	7	—	—	—	—
Quilty	100	40	‡	—	—	11 to 13	22	90	49	7	0	—	15	12	21	21	12	21	25
Cahirciveen (Val Obs.)	98	41	‡	—	—	12	9	51	84	24	0	260	14	12	22	21	12	22	25
Weaver Pt.	160	30	‡	—	—	12	5	72	82	9	0	—	11	12	22	19	12	23	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	31	97	35	5	280	9	13	2	13	15	15	35

† More exactly the ranges adopted for the classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·8 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory.
§ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

NINETEENTH WEEK of 1920—May 9th to May 15th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	66	34	84·8	77·3	80·8	− 0·3	38	− 4	6	− 1	5	+ 1	0·86	22	+ 5	6·5	+1·3	40	1013
Eastern.																			
1. SCOTLAND, EAST ...	68	28	86·2	76·7	81·2	− 0·2	47	0	10	+ 3	4	0	0·34	9	− 4	7·1	+1·4	44	1015
2. ENGLAND, N.E.	67	31	88·0	78·7	83·1	+ 1·0	57	+ 8	0	− 3	2	− 1	0·19	5	− 6	8·5	+2·5	55	1019
3. ENGLAND, EAST ...	73	34	89·8	79·1	84·1	+ 1·2	70	+ 10	0	− 3	1	− 2	0·03	1	− 9	10·0	+3·6	65	1020
4. MIDLAND COUNTIES ...	69	32	89·5	78·6	83·7	+ 0·9	65	+ 2	0	− 5	2	− 1	0·32	8	− 2	7·4	+1·6	48	1020
5. ENGLAND, S.E.	73	32	90·0	80·1	84·8	+ 1·2	78	+ 12	0	− 2	2	− 1	0·11	3	− 6	8·4	+1·7	55	1020
Western.																			
6. SCOTLAND, WEST ...	68	33	86·3	78·3	82·1	− 0·2	46	− 8	1	− 2	4	0	0·54	14	− 2	5·3	−0·6	33	1017
7. ENGLAND, N.W.	70	34	87·5	79·6	83·5	+ 0·9	62	+ 7	0	− 2	2	− 2	0·36	9	− 3	6·5	+0·4	42	1019
8. ENGLAND, S.W.	69	30	88·3	79·8	83·8	+ 0·5	67	+ 14	0	− 1	2	− 1	0·35	9	− 3	6·6	0·0	44	1020
9. IRELAND, NORTH ...	68	34	87·1	78·6	82·6	0·0	51	− 3	0	− 2	5	+ 1	0·58	15	+ 2	6·0	+0·2	39	1016
10. IRELAND, SOUTH ...	68	32	87·7	79·7	83·5	+ 0·2	62	0	0	− 1	3	− 1	0·39	10	− 3	6·9	+0·9	45	1018
11. ENGLISH CHANNEL ...	69	45	88·6	82·5	85·3	+ 1·2	85	+ 15	0	0	2	− 1	0·23	6	− 2	5·9	−2·2	39	1020

THE SEASON (Spring).—Aggregates, &c., for the Period of 11 Weeks, February 29th to May 15th, 1920.

0. SCOTLAND, NORTH ...	66	25	82·2	75·9	78·9	+ 0·5	245	+ 12	173	− 71	56	+ 5	12·23	308	+ 73	4·1	+0·1	30	1005
Eastern.																			
1. SCOTLAND, EAST ...	68	22	82·8	75·5	79·0	+ 0·5	278	− 4	192	− 80	52	+ 7	6·73	172	+ 31	4·2	−0·1	31	1006
2. ENGLAND, N.E.	67	24	84·1	77·0	80·4	+ 1·2	382	+ 73	95	−101	51	+10	6·71	171	+ 60	4·0	−0·7	30	1009
3. ENGLAND, EAST ...	73	24	85·6	77·4	81·3	+ 1·6	490	+105	83	−115	45	+ 7	4·76	123	+ 18	4·6	−0·3	35	1012
4. MIDLAND COUNTIES ...	69	20	85·0	77·3	81·0	+ 1·3	442	+ 40	83	−133	50	+13	7·74	196	+ 80	3·6	−0·8	28	1011
5. ENGLAND, S.E.	73	23	85·7	78·2	81·8	+ 1·4	515	+104	58	− 88	47	+10	5·25	134	+ 18	4·2	−0·8	32	1012
Western.																			
6. SCOTLAND, WEST ...	68	22	82·9	76·8	79·7	+ 0·3	302	− 10	104	− 78	59	+14	11·00	281	+ 76	3·4	−1·1	26	1008
7. ENGLAND, N.W.	70	22	83·7	77·8	80·6	+ 0·9	362	+ 34	60	− 98	56	+15	10·28	262	+113	3·5	−1·1	27	1009
8. ENGLAND, S.W.	69	22	84·5	78·2	81·2	+ 0·8	431	+ 47	53	− 68	55	+15	10·15	258	+ 87	3·9	−1·0	29	1012
9. IRELAND, NORTH ...	68	23	83·6	76·7	80·0	+ 0·1	347	+ 4	111	− 34	59	+ 9	8·53	217	+ 45	3·9	−0·4	30	1007
10. IRELAND, SOUTH ...	68	28	84·3	77·7	80·9	+ 0·2	404	− 15	69	− 38	57	+13	10·75	272	+ 90	3·9	−0·9	30	1010
11. ENGLISH CHANNEL ...	69	33	85·4	80·3	82·7	+ 1·0	587	+118	7	− 28	48	+ 6	6·10	153	+ 15	5·0	−0·8	38	1014

THE YEAR 1920.—Aggregates, &c., for the Period of 19 Weeks, January 4th to May 15th, 1920.

0. SCOTLAND, NORTH ...	66	19	81·2	75·3	78·2	+ 0·7	307	+ 21	387	−142	100	+ 8	29·00	735	+249	2·9	+0·1	26	1005
Eastern.																			
1. SCOTLAND, EAST ...	68	19	81·6	74·8	78·2	+ 0·8	344	+ 6	453	−153	88	+11	11·90	303	+ 48	3·4	+0·1	30	1007
2. ENGLAND, N.E.	67	24	82·9	76·1	79·5	+ 1·4	525	+146	280	−189	82	+11	10·21	260	+ 72	3·3	−0·3	30	1011
3. ENGLAND, EAST ...	73	20	84·1	76·4	80·1	+ 1·7	662	+201	270	−221	72	+ 3	7·44	192	+ 8	3·7	0·0	32	1014
4. MIDLAND COUNTIES ...	69	20	83·7	76·4	80·0	+ 1·6	610	+123	263	−255	83	+15	12·44	315	+105	3·0	−0·3	26	1014
5. ENGLAND, S.E.	73	17	84·3	77·3	80·8	+ 1·7	727	+216	166	−212	79	+12	8·98	230	+ 13	3·5	−0·3	31	1015
Western.																			
6. SCOTLAND, WEST ...	68	22	82·0	76·2	79·1	+ 0·7	414	+ 26	269	−143	103	+20	21·30	543	+134	2·7	−0·5	24	1009
7. ENGLAND, N.W.	70	22	82·9	77·1	79·9	+ 1·3	526	+118	187	−194	91	+17	16·88	429	+148	2·9	−0·5	25	1011
8. ENGLAND, S.W.	69	17	83·6	77·6	80·6	+ 1·2	635	+125	131	−169	91	+17	16·79	425	+ 97	3·1	−0·6	28	1014
9. IRELAND, NORTH ...	68	23	82·9	76·3	79·6	+ 0·6	540	+ 89	241	− 97	104	+15	15·97	406	+ 81	3·1	−0·1	27	1008
10. IRELAND, SOUTH ...	68	22	83·7	77·4	80·5	+ 0·7	637	+ 58	145	−114	100	+19	18·50	468	+114	3·2	−0·4	28	1012
11. ENGLISH CHANNEL ...	69	29	84·4	79·7	82.0	+ 1·1	857	+195	20	− 85	78	− 2	10·41	261	− 11	4·0	−0·4	35	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: May 21st, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

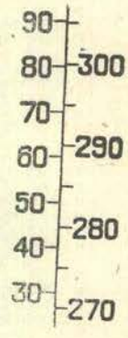
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 20.

TWENTIETH WEEK,
SUNDAY, MAY 16TH TO SATURDAY, MAY 22ND, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Under the influence of an Atlantic depression unsettled weather again prevailed over our northern and western districts, but in the east and south the conditions were generally anticyclonic and the weather mostly fair or fine. Squally winds prevailed during the first half of the week. Monday was, as a rule, the warmest day of the period in Scotland, where the thermometer rose to about 290a, but over England as a whole and in Ireland S., a rise in temperature which subsequently proved to be the beginning of a warm spell, occurred on Saturday, and 294a was reached in most districts. The thermometer on the grass went down to 267a at Rhayader on Friday, and slight frost was experienced at many other inland stations. The mean temperature for the week was above the normal in all districts in the eastern section, and slightly below it in the western section. Rainfall was again in excess of the normal over the western and northern districts, while in the east and south, including the English Channel, there was a deficiency; on Tuesday the fall for the day amounted to 22mm. at Blacksod and to as much as 42mm. at Mallarany. In England E., the Midland Counties, England S.E. and the English Channel bright sunshine was rather more than the normal, but over all the northern and western districts it was less, the deficiency in Scotland W. and Ireland N. being as much as 3¾ hrs. per day. Solar halos were observed at Aberdeen on the 18th, at Oxford on the 20th and 22nd, and at Ross-on-Wye on the 22nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	28	5·5	25	5·4	20	5·5	15	4·1	25	6·8	16	1·6	23	5·0	22	4·9
North	0	—	0	—	5	3·3	5	1·3	0	—	7	0·5	0	—	4	2·2
West	6	6·2	18	4·8	17	5·3	16	3·8	22	6·2	21	3·7	18	5·6	24	5·3
East	20	4·4	5	2·0	7	5·7	14	7·8	4	5·0	3	1·1	3	1·9	2	1·0
Calm	0	—	2	—	3	—	8	—	2	—	0	—	4	—	2	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Comparison with normal for the time of year ... Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Very heavy	Heavy	Moderate	Heavy	Heavy	Moderate
Comparison with normal for the time of year ... Sunshine ...	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Very scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 12 weeks from Feb. 29th, 1920. Warmth ...	4, 7, 1	3, 7, 2	7, 4, 1	7, 5, 0	5, 7, 0	7, 5, 0	4, 7, 1	4, 7, 1	5, 5, 2	3, 7, 2	2, 8, 2	7, 5, 0
SPRING. 12 weeks from Feb. 29th, 1920. Rainfall ...	7, 5, 0	4, 6, 2	7, 3, 2	4, 6, 2	6, 6, 0	3, 8, 1	6, 6, 0	9, 3, 0	8, 4, 0	7, 4, 1	8, 2, 2	3, 8, 1
SPRING. 12 weeks from Feb. 29th, 1920. Sunshine ...	3, 6, 3	5, 3, 4	2, 4, 6	2, 6, 4	3, 5, 4	3, 5, 4	1, 4, 7	2, 5, 5	1, 7, 4	1, 5, 6	1, 5, 6	0, 6, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28719—19) Wt. 24—561/P 25 625 5/20 H.St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																						
a, Islands.. a Lerwick..	54	54	20, 22	40	17th	51·7	42·0	46·6	+ 2·4	5	0·47	12	0									
p Deerness, Orkney	165	54	21, 22	42	17, 20	51·3	43·4	47·1	—	4	0·27	7	- 5	Deerness	5·3	- 0·8	32	•	•	•	•	•	•
a Stornoway	51	62	16th	42	20, 21	52·7	44·7	48·5	+ 2·1	7	1·26	32	+ 17	Stornoway	1·7	- 4·9	11	•	•	•	•	•	•
a Castlebay, Barra I.	27	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay	—	—	—	•	•	•	•	•	•
b, Mainland. a Wick	81	54	20-22	39	20th	51·7	42·1	46·6	+ 0·6	6	0·43	11	- 1									
a Strathpeffer	125	63	22nd	38	21st	56·7	41·9	48·9	+ 0·9	4	0·41	10	- 1									
p Glencarron	500	60	16th	41	19, 20	51·6	43·4	47·3	+ 0·5	6	1·22	31	+ 5									
a Fort Augustus..	88	59	16th	40	21st	53·1	43·6	48·1	+ 0·5	6	1·03	26	+ 12									
p Fort William	171	61	16th	42	20th	54·4	44·6	49·2	+ 0·3	7	2·19	56	+ 34									
1. SCOTLAND, E.																						
a Nairn	82	60	22nd	40	20th	58·3	43·0	50·2	+ 2·1	4	0·19	5	- 6	Nairn	3·9	—	24	•	•	•	•	•	•
p Gordon Castle	101	64	16th	41	17th	58·0	44·3	50·7	+ 2·4	5	0·11	3	- 10	Gordon Castle..	5·3	—	33	•	•	•	•	•	•
a Aberdeen	46	64	22nd	40	20th	56·3	44·4	50·0	+ 2·4	5	0·38	10	- 4	Aberdeen	5·2	- 1·0	32	1	30	•	•	46·2	+0·3
a Balmoral	930	60	16, 22	36	17-20	54·1	38·4	45·8	+ 0·3	4	0·51	13	- 1	Balmoral	•	•	•	0	31	•	•	•	•
p Crieff	432	61	22nd	39	20th	54·3	41·9	47·7	- 1·6	7	1·19	30	+ 15	Crathes	4·3	- 1·4	27	1	30	50·6	+ 1·0	46·7	+0·4
a Dundee	244	61	22nd	37	20th	56·1	42·3	48·8	+ 0·1	5	0·57	14	+ 1	Dundee	4·6	—	28	1	28	49·3	•	•	•
a Leith	30	62	16th	42	20th	57·9	45·4	51·3	+ 1·9	5	0·59	15	+ 4	Leith	•	•	•	0	39	•	•	•	•
p Edinburgh	441	60	16th	41	20th	55·3	44·4	49·5	+ 1·6	4	0·44	11	0	Edinburgh	5·0	- 0·7	32	0	37	•	•	•	•
a West Linton	769	59	16th	38	20th	53·0	42·4	47·4	+ 1·5	7	1·06	27	—	West Linton	3·3	—	21	0	34	•	•	•	•
p Marchmont	498	60	16th	38	16, 20	56·3	41·3	48·4	+ 0·8	3	0·37	9	- 6	Marchmont	6·2	+ 0·4	39	•	•	•	•	•	•
6. a, SCOTLAND, W.																						
a Ford (Argyll)	149	56	16th	40	20th	52·5	44·4	48·2	—	7	2·39	61	—	Ford (Argyll)	•	•	•	0	36	50·2	—	46·8	—
p Glasgow Observatory	180	60	16th	43	20th	54·4	46·0	50·0	- 0·1	6	1·29	33	+ 18	Glasgow..	2·0	- 3·5	12	0	35	•	•	•	•
p Rothesay	200	57	16th	41	20th	53·6	44·3	48·7	- 1·4	7	2·19	56	+ 39	Rothesay	1·4	—	9	0	35	50·9	—	48·0	-0·1
a Kilmarnock	90	64	16th	42	20th	56·7	46·1	51·1	+ 1·6	6	1·38	35	+ 21	Kilmarnock	1·9	—	12	•	•	51·2	—	47·3	—
a Colmonell	170	63	16th	43	18, 20	56·1	46·3	50·9	+ 1·3	6	1·27	32	+ 17	Colmonell	•	•	•	—	—	•	•	•	•
p Cally, Gatehouse	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries	4·0	—	25	1	29	51·0	-1·8	47·7	-0·9
p Dumfries	160	62	22nd	38	20th	55·6	44·6	49·8	- 0·7	6	1·36	35	+ 20	Eskdalemuir	2 5	—	16	0	33	•	•	•	•
a Eskdalemuir	794	57	16th	34	20th	52·1	40·9	46·2	—	6	2·15	55	—									
b, I. OF MAN p Douglas	277	61	16th	41	20th	54·3	45·0	49·4	- 0·5	5	0·86	22	+ 8	Douglas	3·8	- 3·8	24	0	35	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle	210	67	22nd	36	21st	58·6	42·7	50·2	+ 1·9	3	0·43	11	- 2									
a Tynemouth	118	62	21st	42	20, 21	56·7	44·0	50·0	+ 1·9	2	0·24	6	- 5	Cockle Park	5·6	- 0·3	35	0	32	49·0	-1·2	46·8	-0·5
p Durham	336	59	21st	37	21st	55·6	42·6	48·7	+ 0·1	3	0·29	7	- 4	Durham	5·9	+ 0·5	37	2	28	•	•	•	•
a North p Rounton	249	66	22nd	37	21st	59·1	42·9	50·5	+ 2·2	3	0·32	8	- 4	Rounton	•	•	•	2	28	51·2	•	•	•
a West Witton	605	69	22nd	36	21st	58·0	42·3	49·7	—	4	0·94	24	—	West Witton	•	•	•	0	32	51·1	—	46·0	—
p Scarborough	100	68	22nd	44	16th	58·9	46·4	52·3	+ 3·1	2	0·26	7	- 4	Scarborough†	4·0	- 2·2	25	•	•	•	•	50·2	—
p York	56	68	22nd	41	21st	59·0	44·7	51·4	+ 0·4	2	0·24	6	- 5	York	4·1	- 1·4	26	—	—	51·2	-0·3	48·4	+0·1
b, South a Spurn Head	26	68	22nd	43	20th	58·1	45·3	51·3	+ 1·6	4	0·19	5	- 4	Spurn Head	•	•	•	•	•	•	•	•	•
a Lincoln	58	69	22nd	43	20th	61·4	45·4	52·9	+ 1·2	3	0·18	5	- 6	Lincoln	•	•	•	0	39	51·2	-1·6	48·9	+0·3
a Fulbeck	180	68	22nd	40	20, 21	61·0	43·9	51·9	+ 0·7	4	0·21	5	- 6	Fulbeck	6·6	0·0	42	•	•	—	—	—	—
														Skegness	—	—	—	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	68	22nd	38	20th	61·6	42·3	51·4	+ 0·9	3	0·13	3	- 6	Cromer	6·9	+ 0·3	43	•	•	•	•	•	•
a Little Massingham	280	66	22nd	38	20th	61·1	41·9	50·9	- 0·2	2	0·31	8	- 4	Lit. Massingham	6·7	+ 0·2	43	•	•	•	•	•	•
a Yarmouth	13	70	22nd	43	20, 21	61·1	45·6	52·9	+ 2·7	2	0·47	12	+ 2	Yarmouth	7·9	—	50	0	41	53·6	-2·1	51·3	—0·9
a Norwich	93	69	22nd	41	20th	63·6	45·7	54·1	+ 2·3	3	0·18	5	- 6	Norwich	7·8	—	49	0	34	54·7	•	•	•
a Geldeston	37	70	22nd	40	20th	64·7	44·3	53·9	+ 2·9	3	0·20	5	- 5	Geldeston	8·1	+ 1·1	51	•	•	•	•	•	•
p Cambridge	41	68	22nd	40	16, 20	64·0	44·6	53·7	+ 1·5	2	0·09	2	- 8	Cambridge	8·1	+ 1·6	52	0	31	55·3	+0·6	52·3	+1·2
a Clacton-on-Sea	54	64	22nd	47	22nd	59·9	49·7	54·5	+ 3·4	3	0·17	4	- 4	Clacton	7·1	- 0·4	45	0	41	54·8	+1·1	53·7	+1·2
a Rothamsted	424	65	22nd	38	20th	59·6	43·7	51·2	- 1·0	3	0·22	6	- 5	Rothamsted	8·3	+ 1·9	53	2	28	52·3	•	•	•
p Tottenham	51	69	22nd	46	20th	63·9	48·6	55·8	—	2	0·17	4	—	Tottenham	7·3	—	47	0	42	•	•	52·3	+0·8
														S'thend-on-Sea	7·7	—	49	0	42	56·1	+0·8	—	—
4. MIDLAND COUNTIES.																						
a North a Harrogate	479	66	22nd	39	16, 21	57·3	42·7	49·6	+ 0·5	4	0·44	11	- 2	Harrogate	5·9	+ 0·1	37	1	30	49·1	-0·4	48·0	+0·2
p Sheffield	429	68	22nd	42	20th	59·7	44·4	51·6	—	3	0·41	10	—	Sheffield..	5·6	+ 0·1	35	0	35	51·2	+0·4	47·3	+0·5
p Buxton	987	64	22nd	37	21st	55·3	41·4	47·9	—	4	1·22	31	+ 12	Buxton	6·0	—	38	0	34	49·1	-1·3	45·9	-0·4
b, East a Worksop	56	69	22nd	40	16th	61·9	44·6	52·7	+ 1·6	4	0·23	6	- 6	Worksop	5·1	- 0·4	32	0	35	52·8	—	49·7	—
a Nottingham	82	68	22nd	42	20th	60·7	45·1	52·4	+ 0·9	3	0·32	8	- 4	Nottingham	5·7	- 0·3	36	1	30	51·9	-1·1	49·2	+0·6
p Birmingham, Edgbsn.	535	67	22nd	43	16, 20, 21	59·7	44·3	51·5	0·0	3	0·24	6	- 7	Birmingham	5·5	+ 0·5	35	1	30	48·4	-0·8	46·8	0·0
a Raunds	203	69	22nd	39	21st	63·1	42·7	52·3	+ 0·3	3	0·23	6	- 8	Raunds	7·1	—	45	1	30	54·1	—	49·9	—
p Oxford	208	66	22nd	42	20th	61·0	45·0	52·5	0·0	4	0·33	8	- 4	Oxford	6·4	- 0·1	41	0	36	•	•	•	•
														Malvern	7·4	—	47	0	37	53·3	—	50·6	—
c, West a Cheadle (N. Staffs.)	646	68	22nd	42	16, 18, 21	59·3	43·0	50·7	+ 0·6	4	0·62	16	+ 2	Cheadle	•	•	•	0	35	•	•	•	•
p Tenbury	313	65	20, 22	36	21st	59·6	43·6	51·1	+ 0·1	4	0·52	13	+ 3	Tenbury	•	•	•	1	30	52·7	—	—	—
a Hereford	291	68	22nd	37	21st	61·4	41·0	50·6	- 1·4	4	0·51	13	0	Ross-on-Wye	7·0	—	44	0	35	—	—	—	—
a Clifton	228	64	22nd	45	20, 21	59·8	46·6	52·8	- 1·0	2	0·08	2	- 14	Clifton	8·9	—	57	0	42	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	66	22nd	38	21, 22	59·7	43·0	50·9	+ 0·1	2	0·52	13	+ 1	Worthing	8·5	+ 0·8	55	0	39	56·6	+0·7	52·4	+0·7
p Wilton Ho.*	180	66	16, 22	37	20th	61·4	44·3	52·3	- 0·2	2	0·35	9	- 4	Marlborough	6·0	- 0·1	38	0	34	53·4	—	50·5	—
a Wisley, Surrey	150	71	22nd	40	20th	65·1	45·3	54·6	+ 2·4	2	0·12	3	- 6	Wilton Ho.	•	•	•	0	33	55·8	•	•	•
a Tunbridge Wells	354	66	22nd	40	20, 22	61·0	45·3	52·7	+ 0·8	3	0·52	13	+ 1	Wisley	8·3	+ 1·5	53	2	28	55·1	+0·7	51·2	+0·5
a Margate	51	65	22nd	46	20th	62·0	49·4	55·3	+ 3·0	2	0·05	1	- 9	Tunbridge Wells	6·9	- 0·1	45	1	30	54·1	-1·1	50·9	—
														Margate	7·1	+ 0·3	45	0	38	56·8	+3·3	53·5	+3·1
a Dungeness	21	60	21st	39	22nd	58·1	45·7	51·5	- 0·2	2	0·20	5	- 3	Folkestone	7 5	—	48	•	•	•	•	48·5	—
p St. Leonards	178	62	16, 21	45	20th	59·4	48·6	53·7	+ 1·4	3	0·65	17	+ 7	St. Leonards	7·8	0·0	50	0	38	57·5	—	52·3	—
p Southampton	64	66	16th	42	21st	61·4	46·3	53·4	- 0·6	2	0·39	10	- 2	Southampton	7·6	+ 0·5	49	1	30	•	•	•	•
a Ventnor	59	62	22nd	41	19, 20, 22	58·7	48·7	53·4	+ 0·2	2	0·22	6	- 4	Ventnor	7·1	- 0·3	46	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	69	22nd	43	20th	63·0	47·8	54·9	+ 1·9	1	0·13	3	- 8	Richmond	7·7	+ 1·0	49	0	32	54·5	+0·3	51·1	+0·9
a Westminster	27	72	22nd	45	20, 22	64·2	48·5	55·9	+ 2·2	2	0·13	3	- 7	Westminster	7·6	+ 1·9	49	0	34	•	•	•	•
ag Greenwich	149	73	22nd	41	20th	66·6	46·1	55·7	+ 2·8	2	0·12	3	- 7	Greenwich	7·5	+ 1·6	48	2	29	•	•	•	•
a Hampstead	450	68	22nd	43	20th	61·4	46·0	53·2	—	1	0·17	4	—	Hampstead	7·6	—	49	—	—	•	•	•	•
ag Camden Square	110	74	22nd	44	20th	67·4	47·6	56·9	+ 2·3	2	0·15	4	- 7	Camden Square	—	—	—	0	39	•	•	•	•
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	58	16th	41	20th	53·1	44·7	48·7	- 1·0	6	1·15	29	+ 15	Aspatria	4·8	- 1·6	30	0	37	50·0	-2·0	47·5	-0·5
p Newton Rigg	559	62	22nd	36	20th	55·9	42·0	48·5	- 0·7	4	1·12	28	+ 15	Newton Rigg	3·8	- 2·8	24	1	30	51·3	-0·1	47·1	-0·2
p Stonyhurst	375	63	22nd	39	21st	56·6	45·1	50·5	+ 0·2	4	1·70	43	+ 27	Stonyhurst	4·5	- 1·8	28	0	33	•	•	•	•
p Blackpool	66	61	22nd	39	21st	57·9	45·9	51·5	+ 1·0	4	0·84	21	+ 9	Blackpool	5·1	- 2·4	32	1	30	52·9	—	48·4	—
a Southport	37	63	22nd	40	21st	57·4	45·4	51·0	0·0	4	0·85	22	+ 10	Southport	5·9	- 1·4	37	0	33	55·0	+0·2	52·5	+1·1
														Hoylake	5·5	- 1·2	35	•	•	•	•	•	•
a Liverpool (Bidston)	188	64	22nd	44	20, 21	56·7	45·7	50·9	- 0·7	4	0·71	18	+ 7	Liverpool	5·5	—	35	0	36	•	•	•	•
a Hawarden Bridge	22	67	22nd	41	21st	58·7	47·3	52·7	+ 0·6	4	0·52	13	+ 3	Manchester(City)	4·1	- 1·3	26	0	39	51·0	-0·9	49·2	+0·1
p Manchester (Whit. Pk.)	125	68	22nd	41	21st	59·0	45·3	51·7	- 0·7	4	0·85	22	+ 10	Whitworth Park	3·8	- 1·5	24	•	•	•	•	•	•
b, NORTH WALES.																						
p Llandudno	16	61	22nd	42	21st	56·9	47·0	51·7	+ 0·1	4	0·54	14	+ 3	Llandudno	5·7	- 1·7	36	•	•	•	•	•	•
a Holyhead	15	56	22nd	44	20th	54·3	47·3	50·6	- 0·1	4	0·83	21	+ 10	Holyhead	4·6	—	29	0	38	•	•	•	•
a Aberdovey	22	58	22nd	44	21st	54·6	47·1	50·6	—	3	0·88	22	—	Aberdovey	4·6	- 2·3	29	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
8. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	56	21, 22	45	20, 21	54·3	46·9	50·4	—	4	0·97	25	—	Aberystwyth ..	5·0	- 1·6	31	*	*	*	*	*	*
a Rhayader	767	60	22nd	31	21st	54·4	41·7	47·7	—	4	1·36	35	—	Rhayader ..	4·9	—	31	2	21	*	*	*	*
a St. Ann's Head* ..	149	54	20, 21	45	19th	52·6	46·7	49·5	- 1·2	4	0·48	12	+ 1	St. Ann's Head ..	5·2	- 2·1	34	*	*	*	*	*	*
p Cardiff	202	61	22nd	41	21st	57·7	45·6	51·3	- 0·8	4	0·65	17	+ 3	Cardiff	8·2	—	53	0	37	54·0	—0·4	50·4	+0·2
b, ENGLAND, S.W.																							
a Bath	66	65	16th	39	22nd	61·3	44·6	52·5	- 0·2	3	0·23	6	- 4	Bath	5·6	- 1·5	36	—	—	55·0	+0·1	52·0	+0·6
a Shaftesbury	722	63	16th	41	20th	58·0	43·7	50·4	- 0·8	2	0·31	8	- 4	Shaftesbury ..	*	*	*	*	*	53·5	—	50·5	—
a Arlington	613	61	22nd	35	21st	56·3	44·0	49·8	- 0·9	4	0·56	14	- 2										
a Newquay	190	60	22nd	39	21st	56·3	46·2	51·0	- 1·1	4	0·17	4	- 5	Newquay ..	9·2	+ 1·8	59	—	—	54·3	—	51·9	—
a Cullompton	202	69	22nd	37	21, 22	62·0	43·4	52·1	- 0·5	4	0·39	10	- 2	Cullompton ..	4·9	- 1·8	32	0	35	54·5	*	*	*
a Portland Bill	19	58	19th	48	20th	55·6	49·1	52·2	+ 0·3	3	0·24	6	- 3	Weymouth ..	3·7	—	56	*	*	*	*	*	*
p Plymouth	116	60	22nd	41	21st	57·7	48·0	52·6	- 0·6	3	0·33	8	- 3	Plymouth ..	3·2	+ 1·0	53	0	35	55·5	-0·4	52·3	—
a Falmouth	167	62	22nd	41	21st	57·4	46·3	51·5	- 0·8	4	0·71	18	+ 6	Falmouth ..	3·5	+ 0·8	55	0	32	56·3	—	54·9	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	58	16th	43	18th	54·1	46·7	50·2	—	7	2·57	65	—	Mallarany ..	1·3	—	8	0	39	—	—	*	*
a West .. *a* Malin Head	208	55	21, 22	43	21st	53·6	44·3	48·7	- 0·6	6	1·10	28	+ 17	Malin Head ..	2·9	—	18	*	*	*	*	*	*
a West .. *a* Blacksod Point ..	37	57	22nd	43	18th	54·1	46·4	50·0	- 0·6	7	2·17	55	+ 40	Markree Castle	1·7	- 4·5	11	0	36	52·5	-1·4	49·3	-0·2
a West .. *p* Markree Castle ..	122	61	16th	42	20th	56·9	45·9	51·1	+ 1·3	7	1·12	28	+ 13										
b, East .. *p* Armagh	196	59	22nd	41	20th	55·4	45·3	50·1	- 0·1	5	0·73	19	+ 6	Armagh	3·3	- 2·8	20	0	35	51·5	-1·6	49·0	-0·5
b, East .. *a* Donaghadee	39	62	22nd	40	20th	56·4	44·9	50·3	+ 0·5	6	0·52	13	+ 1										
10. IRELAND, S.																							
p Dublin, City	47	69	22nd	44	20th	59·9	48·1	53·7	+ 1·3	5	0·55	14	+ 3	Trinity Coll. ..	4·5	—	28	0	37	53·2	0·0	50·5	+0·1
a Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Phœnix Park ..	5·3	- 1·6	34	1	29	*	*	*	*
a Kilkenny	195	69	22nd	37	20th	58·3	44·4	50·9	- 0·5	5	0·51	13	+ 1	Dublin City ..	*	*	*	0	39	*	*	*	*
a Waterford	137	60	22nd	40	20th	56·1	44·3	49·9	- 2·2	4	0·55	14	+ 1	Birr Castle ..	—	—	—	0	34	*	*	*	*
p Seskin, Carrick-on-Suir	535	68	22nd	40	20th	57·0	43·9	50·1	—	6	0·64	16	—	Seskin	4·5	—	28	0	32	*	*	*	*
a Cahir	198	61	22nd	37	20th	56·7	43·3	49·6	- 1·7	5	0·67	17	—										
a Foynes	50	64	22nd	43	18th	57·4	46·4	51·6	- 0·5	5	1·24	32	+ 19										
a Cahirciveen (Val. Obs.)	30	57	16th	45	18, 19	54·9	47·1	50·8	- 1·3	5	1·02	26	+ 8	Cahirciveen ..	3·6	- 3·3	23	0	42	*	*	*	*
a Killarney	174	68	22nd	44	17, 19	59·4	47·4	53·0	+ 1·0	4	0·75	19	+ 2	Ballinacurra ..	4·7	- 2·3	30	*	*	*	*	*	*
a Roche's Point	32	57	21, 22	43	20th	54·7	46·7	50·5	- 1·3	6	0·52	13	0										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	59	22nd	47	20, 21	55·9	48·6	52·0	- 0·5	3	0·17	4	- 5	Scilly	9·0	+ 1·7	59	*	*	*	*	*	*
a Jersey, St. Aubins ..	26	69	16th	39	22nd	60·6	46·7	53·2	- 0·9	1	0·12	3	- 7	St. Heliers ..	8·2	+ 0·5	53	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	65	16th	45	20th	60·1	48·4	53·9	- 0·2	2	0·14	4	- 5	Guernsey† ..	9·5	+ 1·6	62	0	37	55·1	— 1·0	53·2	0·5

* The St. Ann's Head station was known as "Pembroke" in this Report up to May 1st, 1920. † The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 22nd, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	17, 18, 19	14	120	32	2	0	240	13	19	16	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	10	152	6	0	?	9	18	12	19	18	11	25
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	—	—	—	35	130	3	0	160	8	18	12	—	—	—	—
Edinburgh	485	39	31	—	—	18, 22	8	105	41	14	0	200	13	18	2	21	18	9	15
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	17 to 19, 21, 22	57	52	42	17	0	230	17	22	10	25	18	18	50
Paisley	188	81	15	—	—	18	2	74	79	13	0	190	11	18	16	22	18	11	0
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	39	102	19	8	220	9	22	14	17	22	16	50
South Shields	72	61	12	—	—	19	3	86	65	14	0	270	12	19	12	20	19	9	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	16 to 19	32	59	63	14	0	230	15	18	17	23	18	13	40
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	18, 19	2	50	84	32	0	230	12	18	17	21	18	16	40
5. ENGLAND, S.E. Brighton	261	53	6	—	—	18	4	72	52	40	0	—	12	18	21	20	18	21	5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	18	2	63	65	38	0	230	11	18	17	20	18	17	25
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	17 to 19, 22	25	73	64	6	0	210	15	19	2	—	—	—	—
Southport	80	62	48	18, 19	11	18, 19, 22	26	75	54	2	0	230	20	19	6	27	19	5	35
Holyhead	60	40	‡	—	—	17 to 19, 21, 22	55	83	15	15	0	220	15	18	18	24	18	18	5
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	17, 18	8	16 to 19	37	42	50	14	17	240	21	18	14	23	18	16	35
Plymouth	185	88	2	18	1	17 to 19	22	59	59	27	0	—	18	18	18	23	18	16	5
Lyme Regis	556	61	‡	—	—	18	4	41	34	89	0	—	12	18	13	18	18	14	15
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	17 to 19, 22	26	61	53	28	0	230	14	19	2	—	—	—	—
Quilty	100	40	‡	—	—	17, 18, 20 to 22	37	97	26	8	0	—	16	17	23	24	17	11	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	17 to 19	31	74	45	11	7	230	14	17	13	23	18	18	0
Weaver Pt.	160	30	‡	—	—	17, 18, 21, 22	29	83	56	0	0	—	16	17	14	25	17	13	50
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	18	7	32	62	67	0	270	11	18	19	19	18	12	5

† More exactly the ranges adopted for the classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTIETH WEEK of 1920—May 16th to May 22nd, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 43°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	63	38	84·7	79·2	81·8	+ 0·4	41	− 4	0	− 5	6	+ 2	1·00	25	+ 9	3·5	−2·2	22	1005
Eastern.																			
1. SCOTLAND, EAST ...	64	36	86·3	78·9	82·4	+ 0·5	48	− 3	0	− 6	5	+ 1	0·55	14	+ 1	4·9	−1·1	30	1007
2. ENGLAND, N.E.	69	36	87·8	79·8	83·6	+ 1·0	63	+ 9	0	− 2	3	0	0·26	7	− 4	5·3	−0·9	33	1012
3. ENGLAND, EAST ...	70	38	89·8	80·3	84·8	+ 1·1	78	+ 10	0	− 2	3	0	0·22	5	− 6	7·6	+0·9	48	1016
4. MIDLAND COUNTIES ...	69	36	88·8	79·6	83·9	+ 0·2	67	− 2	0	− 3	4	+ 1	0·35	9	− 4	6·3	+0·3	40	1015
5. ENGLAND, S.E.	71	37	89·1	81·0	84·8	+ 0·6	79	+ 3	0	− 1	2	− 1	0·31	8	− 3	7·4	+0·4	48	1016
Western.																			
6. SCOTLAND, WEST ...	64	38	85·6	80·3	82·8	− 0·1	54	− 6	0	− 3	6	+ 2	1·53	39	+ 22	2·9	−3·6	18	1009
7. ENGLAND, N.W.	68	36	86·6	80·6	83·4	0·0	61	− 2	0	− 1	4	+ 1	0·92	23	+ 10	4·9	−1·7	31	1012
8. ENGLAND, S.W.	69	31	87·1	80·4	83·6	− 0·5	63	− 8	0	− 1	4	+ 1	0·53	13	+ 1	6·5	−0·4	41	1015
9. IRELAND, NORTH ...	62	40	85·9	80·4	83·0	− 0·1	56	− 2	0	− 1	6	+ 2	1·13	29	+ 16	2·5	−3·7	16	1007
10. IRELAND, SOUTH ...	69	37	87·0	80·8	83·7	− 0·3	65	− 4	0	− 1	5	+ 2	0·73	19	+ 5	4·5	−2·3	29	1013
11. ENGLISH CHANNEL ...	69	39	87·9	81·8	84·7	− 0·1	77	− 2	0	0	2	− 1	0·14	4	− 6	8·9	+1·2	58	1017

THE SEASON (Spring).—Aggregates, &c., for the Period of 12 Weeks, February 29th to May 22nd, 1920.

0. SCOTLAND, NORTH ...	66	25	82·4	76·2	79·1	+ 0·5	286	+ 8	173	− 76	62	+ 7	13·23	333	+ 82	4·0	−0·1	29	1005
Eastern.																			
1. SCOTLAND, EAST ...	68	22	83·1	75·8	79·3	+ 0·5	326	− 7	192	− 86	57	+ 8	7·28	186	+ 32	4·3	−0·2	32	1006
2. ENGLAND, N.E. ...	69	24	84·4	77·2	80·7	+ 1·2	445	+ 82	95	−103	54	+10	6·97	178	+ 56	4·1	−0·7	30	1009
3. ENGLAND, EAST ...	73	24	86·0	77·7	81·6	+ 1·5	568	+115	83	−117	48	+ 7	4·98	128	+ 12	4·9	−0·2	36	1012
4. MIDLAND COUNTIES ...	69	20	85·3	77·5	81·3	+ 1·3	509	+ 38	83	−136	54	+14	8·09	205	+ 76	3·8	−0·7	29	1011
5. ENGLAND, S.E.	73	23	86·0	78·4	82·1	+ 1·4	594	+107	58	− 89	49	+ 9	5·56	142	+ 15	4·5	−0·7	34	1013
Western.																			
6. SCOTLAND, WEST ...	68	22	83·2	77·1	80·0	+ 0·3	356	− 16	104	− 81	65	+16	12·53	320	+ 98	3·4	−1·2	25	1008
7. ENGLAND, N.W.	70	22	84·0	78·0	80·9	+ 0·9	423	+ 32	60	− 99	60	+16	11·20	285	+123	3·6	−1·1	27	1010
8. ENGLAND, S.W.	69	22	84·7	78·4	81·4	+ 0·7	494	+ 39	53	− 69	59	+16	10·68	271	+ 88	4·1	−1·0	30	1012
9. IRELAND, NORTH ...	68	23	83·8	77·0	80·3	+ 0·1	403	+ 2	111	− 35	65	+11	9·66	246	+ 61	3·8	−0·6	28	1007
10. IRELAND, SOUTH ...	69	28	84·5	77·9	81·1	+ 0·1	469	− 19	69	− 39	62	+15	11·48	291	+ 95	4·0	−1·0	30	1010
11. ENGLISH CHANNEL ...	69	33	85·6	80·4	82·9	+ 1·0	664	+116	7	− 28	50	+ 5	6·24	157	+ 9	5·3	−0·7	40	1014

THE YEAR 1920.—Aggregates, &c., for the Period of 20 Weeks, January 4th to May 22nd, 1920.

0. SCOTLAND, NORTH ...	66	19	81·4	75·5	78·4	+ 0·7	348	+ 17	387	−147	106	+10	30·00	760	+258	2·9	−0·1	25	1005
Eastern.																			
1. SCOTLAND, EAST ...	68	19	81·9	75·0	78·4	+ 0·8	392	+ 3	453	−159	93	+12	12·45	317	+ 49	3·5	+0·1	30	1007
2. ENGLAND, N.E.	69	24	83·1	76·3	79·7	+ 1·4	588	+155	280	−191	85	+11	10·47	267	+ 68	3·4	−0·3	30	1011
3. ENGLAND, EAST ...	73	20	84·4	76·6	80·4	+ 1·8	740	+211	270	−223	75	+ 3	7·66	197	+ 2	3·9	0·0	33	1014
4. MIDLAND COUNTIES ...	69	20	83·9	76·6	80·2	+ 1·6	677	+121	263	−258	87	+16	12·79	324	+101	3·1	−0·4	27	1014
5. ENGLAND, S.E.	73	17	84·5	77·5	81·0	+ 1·7	806	+219	166	−213	81	+11	9·29	238	+ 10	3·7	−0·3	32	1015
Western.																			
6. SCOTLAND, WEST ...	68	22	82·2	76·4	79·2	+ 0·6	468	+ 20	269	−146	109	+22	22·83	582	+156	2·7	−0·7	23	1009
7. ENGLAND, N.W.	70	22	83·0	77·2	80·1	+ 1·2	587	+116	187	−195	95	+18	17·80	452	+158	3·0	−0·5	26	1011
8. ENGLAND, S.W.	69	17	83·8	77·8	80·7	+ 1·1	698	+117	131	−170	95	+18	17·32	438	+ 98	3·3	−0·6	29	1014
9. IRELAND, NORTH ...	68	23	83·1	76·5	79·8	+ 0·6	596	+ 87	241	− 98	110	+17	17·10	435	+ 97	3·0	−0·4	26	1008
10. IRELAND, SOUTH ...	69	22	83·9	77·5	80·7	+ 0·7	702	+ 54	145	−115	105	+21	19·23	487	+119	3·3	−0·5	28	1012
11. ENGLISH CHANNEL ...	69	29	84·5	79·8	82.1	+ 1·0	934	+193	20	− 85	80	− 3	10·55	265	− 17	4·2	−0·4	37	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: May 28th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

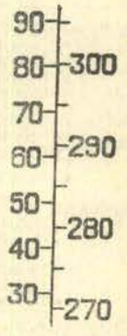
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 21.

TWENTY-FIRST WEEK, SUNDAY, MAY 23RD TO SATURDAY, MAY 29TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week anticyclonic conditions prevailed over the country generally, with fine warm weather, but from Tuesday onwards shallow depressions were to be seen on the map. On Tuesday there were thunderstorms in the south of England and on Wednesday they were experienced in several districts, notably in the western suburbs of London when 22mm. fell at Richmond (Kew Observatory) and 16mm. at Hampstead, the greater part in half an hour. On Saturday a depression which had originated over France moved northwards and occasioned very heavy rain in the north of England, more especially in Lancashire and Lincolnshire in which counties there were floods that caused loss of life and serious damage to property. Temperature was highest early in the week, when several stations recorded maxima of 301 a. The highest reading for a thermometer in the orthodox Stevenson screen was 84° F. at Cambridge. The lowest of the minima were mostly recorded on the 23rd. The mean temperature of the week was above the normal at every station. Ground frost occurred at Rhayader and Phœnix Park. Rainfall varied a good deal, in fact at several stations, notably in London, the week was almost rainless. The heaviest falls on Saturday the 29th of which reports have been received were 80mm. at Leyland (Lancs.), 54mm. at Bucknall near Horncastle, 52mm. at Lincoln, 45mm. at High Hazels (Sheffield), 37mm. at Stonyhurst, 35mm. at Spurn Head and 34mm. at Kilkenny. No estimate of the fall which caused the devastating flood at Louth has yet come to hand. The total for the week was in excess of the normal in the districts of the eastern section, but less in one or two of the western districts. During the first two days of the period sunshine was abundant, many stations in England East and South-east recording as much as 15 hours. A solar halo was seen at St. Leonards on the 26th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	3·1	6	2·7	17	2·2	15	2·2	15	3·1	5	1·2	7	3·3	7	2·3
North	8	2·4	11	1·5	8	2·6	4	1·1	6	2·9	1	0·6	19	2·3	10	3·8
West	7	2·5	7	3·1	12	2·5	12	2·2	16	2·4	2	1·6	6	4·6	14	2·6
East	18	4·9	11	2·6	13	3·9	11	3·9	6	4·4	7	2·4	9	2·6	2	0·5
Calm	3	—	10	—	3	—	5	—	6	—	19	—	8	—	11	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual
Rainfall ...	Moderate	Heavy	Very heavy	Heavy	Heavy	Moderate	Moderate	Very heavy	Moderate	Light	Moderate	Heavy
Sunshine ...	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SPRING. 13 weeks from Feb. 29th, 1920. Warmth ...	5, 7, 1	4, 7, 2	8, 4 1	8, 5 0	6, 7, 0	8, 5, 0	5, 7, 1	5, 7, 1	6, 5, 2	4, 7, 2	3, 8, 2	8 5, 0
Rainfall ...	7, 6, 0	5, 6, 2	8, 3, 2	5 6 2	7, 6 0	3, 9, 1	6, 7, 0	10, 3, 0	8, 5, 0	7, 4, 2	8, 3, 2	4, 8, 1
Sunshine ...	4, 6, 3	5, 4, 4	2, 5, 6	3, 6, 4	3, 6, 4	3, 6, 4	1, 5, 7	2, 6, 5	1, 8, 4	1, 5, 7	1, 5, 7	0, 6, 7

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28766—19) Wt. 24—561/P 25 500 6/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.					Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.							Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	61	27th	43	23rd	55·6	45·6	50·3	+ 4·6	3	0·39	10	0										
p Deerness, Orkney ..	165	62	23rd	46	23, 26, 29	55·7	46·6	50·9	—	3	1·00	26	+ 17	Deerness ..	7·1	+ 1·4	41	*	*	*	*	*	*
a Stornoway	51	69	26th	45	29th	59·7	48·7	53·9	+ 5·8	3	0·24	6	- 6	Stornoway ..	6·5	+ 0·3	38	*	*	*	*	*	*
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	*	*	*	*	*	*
b, Mainland. a Wick	81	64	23rd	43	27th	54·1	45·9	49·8	+ 2·2	3	0·63	16	+ 6										
a Strathpeffer	125	70	24th	42	23rd	64·0	46·6	54·8	+ 5·0	1	0·09	2	- 7										
p Glencarron	500	72	24th	46	24, 29	63·0	48·3	55·2	+ 6·7	1	0·22	6	- 15										
a Fort Augustus..	88	69	24th	43	24th	59·1	47·1	52·7	+ 3·4	1	0·21	5	- 6										
p Fort William	171	78	25th	46	24th	67·3	49·6	57·9	+ 7·2	3	0·36	9	- 9										
1. SCOTLAND, E.																							
a Nairn	82	71	23, 25	43	25, 26	62·3	46·0	53·7	+ 3·9	3	0·43	11	+ 1	Nairn	6·7	—	39	*	*	*	*	*	*
p Gordon Castle	101	76	24th	43	26th	67·0	48·6	57·3	+ 7·2	3	0·99	25	+ 14	Gordon Castle..	7·0	—	41	*	*	*	*	*	*
a Aberdeen	46	69	23rd	44	25th	60·0	47·4	53·3	+ 4·0	4	2·07	53	+ 41	Aberdeen ..	6·6	+ 0·5	39	0	38	*	*	47·4	+0·5
a Balmoral	930	70	26th	38	25th	67·1	45·4	55·8	+ 8·1	3	1·13	29	+ 17	Balmoral ..	*	*	*	0	34	*	*	*	*
p Crieff	432	69	24, 26	45	29th	63·7	47·9	55·3	+ 4·2	4	0·30	8	- 6	Crathes	5·7	- 0·1	34	0	36	54·6	+ 3·3	48·2	+0·6
a Dundee	244	70	26th	45	24, 25	64·3	47·9	56·6	+ 5·0	3	0·43	11	0	Dundee	7·6	—	45	0	37	53·6	*	*	*
a Leith	30	70	23rd	49	24–26, 29	60·7	49·6	54·8	+ 3·6	4	0·81	21	+ 11	Leith	*	*	*	0	44	*	*	*	*
p Edinburgh	441	72	24th	47	25, 29	60·4	49·0	54·4	+ 4·8	3	0·85	22	+ 12	Edinburgh ..	5·9	+ 0·1	35	0	42	*	*	*	*
a West Linton	769	72	24th	42	24th	62·3	46·7	54·0	+ 6·3	2	1·14	29	—	West Linton ..	5·9	—	35	0	39	*	*	*	*
p Marchmont	498	72	24th	42	29th	64·3	47·9	56·6	+ 6·2	2	1·58	40	+ 27	Marchmont ..	6·1	+ 0·3	37	*	*	*	*	*	*
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	75	24, 26	44	24, 29	66·4	50·0	57·7	—	1	0·43	11	—	Ford (Argyll) ..	*	*	*	0	37	54·9	—	48·0	—
p Glasgow Observatory	180	72	24th	48	29th	63·9	50·9	57·0	+ 5·5	2	0·65	17	+ 4	Glasgow.. ..	6·5	+ 1·1	39	0	39	*	*	*	*
p Rothesay	200	72	24th	43	29th	63·3	48·1	55·2	+ 3·7	2	0·79	20	+ 5	Rothesay ..	7·2	—	43	0	39	54·0	—	49·4	+0·1
a Kilmarnock	90	78	24th	41	29th	68·7	49·1	58·3	+ 7·4	3	0·44	11	- 1	Kilmarnock ..	6·7	—	40	*	*	55·6	—	48·4	—
a Colmonell	170	79	25th	41	29th	67·4	48·9	57·6	+ 6·7	3	0·25	6	- 7	Colmonell ..	*	*	*	0	38	*	*	*	*
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	6·9	—	42	0	36	55·5	+0·7	49·1	-2·2
Dumfries	160	76	25th	43	29th	67·9	49·6	58·2	+ 6·2	3	0·36	9	- 4	Eskdalemuir ..	5·4	—	33	0	31	*	*	*	*
a Eskdalemuir	794	71	24, 25	36	23, 29	64·6	44·9	54·2	—	3	1·06	27	—										
b, I. OF MAN p Douglas	277	73	25th	47	23, 24	64·9	50·9	57·5	+ 6·2	4	0·13	3	- 9	Douglas	5·6	- 1·9	35	0	42	*	*	*	*
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	70	23rd	43	24th	63·3	47·6	55·0	+ 5·4	2	2·37	60	+ 46										
a Tynemouth	118	66	28th	47	24, 25	58·7	48·4	53·2	+ 3·7	4	1·59	41	+ 29	Cockle Park ..	5·2	- 0·8	31	0	35	54·4	+2·5	48·5	-0·1
p Durham	336	73	23rd	46	25th	67·0	49·0	57·5	+ 7·5	2	1·95	50	+ 38	Durham ..	6·1	+ 0·6	37	0	36	*	*	*	*
a North .. p Rounton	249	74	23rd	44	24th	66·4	48·6	57·0	+ 7·3	3	1·03	26	+ 13	Rounton ..	*	*	*	0	33	54·9	*	*	*
a West Witton	605	73	25th	44	24th	67·1	48·6	57·5	—	3	0·85	22	—	West Witton ..	*	*	*	0	40	55·9	*	47·4	—
p Scarborough	100	69	23rd	49	24–28	62·6	49·6	56·7	+ 5·1	3	1·41	36	+ 24	Scarborough† ..	5·5	- 0·6	34	*	*	*	*	51·9	—
p Scarborough	100	69	23rd	49	24–28	62·6	49·6	56·7	+ 5·1	3	1·41	36	+ 24	York	6·1	+ 0·4	37	—	—	54·9	+2·0	49·6	+0·1
p York	56	76	23, 25	48	23–25	69·0	51·6	59·8	+ 7·4	4	1·21	31	+ 19										
b. South .. a Spurn Head	26	62	25, 28	49	23–27	58·4	49·4	53·6	+ 2·6	2	1·50	38	+ 29	Spurn Head ..	*	*	*	0	46	55·1	+0·7	50·0	+0·1
a Lincoln	58	79	24th	49	25th	72·6	52·9	62·2	+ 9·1	5	2·31	59	+ 47	Lincoln	*	*	*	*	*	*	*	*	*
a Fulbeck	180	78	25th	45	23rd	71·0	51·6	60·7	+ 8·1	5	1·33	34	+ 22	Fulbeck	7·3	+ 0·7	45	*	*	—	—	—	—
														Skegness ..	7·6	+ 0·7	47	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	76	25th	47	26th	68.6	50·0	58·7	+ 6·7	4	0·61	16	+ 7	Cromer	8·4	+ 1·7	52	*	*	*	*	*	*
a Little Massingham ..	280	79	25th	42	25th	71·3	49·4	59·7	+ 7·0	4	1·13	29	+ 17	Lit. Massingham	8·2	+ 1·6	51	*	*	*	*	*	*
a Yarmouth	13	72	24th	50	23rd	63·3	53·1	57·9	+ 6·0	3	1·07	27	+ 17	Yarmouth ..	7·8	—	48	0	45	55·7	-1·9	52·6	—0·9
a Norwich	93	78	25th	47	23rd	72·1	53·9	62·5	+ 9·2	3	0·86	22	+ 11	Norwich ..	9·0	—	56	0	39	61·8	*	*	*
a Geldeston	37	76	25th	41	23rd	71·3	51·7	60·9	+ 8·3	2	0·11	3	- 7	Geldeston ..	8·4	+ 1·4	52	*	*	*	*	*	*
p Cambridge	41	84	25th	42	23rd	74·6	52·6	62·9	+ 9·1	3	1·15	29	+ 18	Cambridge ..	7·9	+ 1·2	49	0	35	59·9	+3·5	53·6	+1·1
a Clacton-on-Sea ..	54	69	26th	51	23rd	65·3	55·1	59·9	+ 7·2	2	0·21	5	- 3	Clacton	8·2	+ 0·6	51	0	45	59·2	+3·9	54·1	+1·3
a Rothamsted	424	76	25th	43	23rd	69·7	52·1	60·4	+ 7·6	4	0·57	14	+ 2	Rothamsted ..	8·3	+ 1·7	52	0	33	57·8	*	*	*
p Tottenham	51	83	25th	48	23rd	73·7	56·1	64·4	—	0	0·00	0·1	—	Tottenham ..	7·7	—	48	0	47	*	*	54·5	+1·5
														S'thend-on-Sea	8·1	—	51	0	46	60·9	+3·1	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	73	23, 25	42	24th	66·4	49·4	57·4	+ 7·0	3	1·16	29	+ 15	Harrogate ..	6·2	+ 0·4	38	0	36	53·1	+2·2	49·6	+0·5
p Sheffield	429	75	25th	47	24th	67·6	52·0	59·3	—	4	1·40	36	—	Sheffield.. ..	4·8	- 0·6	29	0	40	56·0	+3·7	48·6	+0·8
p Buxton	987	73	25th	42	23rd	66·3	49·4	57·3	—	4	1·43	36	+ 17	Buxton	6·1	—	37	0	38	56·4	+4·3	47·2	0·0
b, East .. a Worksop	56	80	25th	41	24th	71·1	50·1	60·0	+ 7·6	4	1·45	37	+ 25	Worksop ..	5·7	+ 0·4	35	0	35	57·2	—	51·3	—
a Nottingham	82	79	25th	44	23rd	71·0	52·0	60·9	+ 8·1	3	0·75	19	+ 7	Nottingham ..	6·5	+ 0·8	41	0	35	59·1	+4·3	51·1	+1·0
p Birmingham, Edgbsn.	535	77	25th	47	23rd	70·7	52·9	61·3	+ 8·5	4	1·06	27	+ 14	Birmingham ..	6·8	+ 2·0	42	0	32	55·1	+4·7	47·8	+0·2
a Raunds	203	82	25th	41	23rd	72·9	51·7	61·7	+ 8·4	4	0·33	9	- 5	Raunds	7·1	—	44	0	34	56·7	*	50·7	—
p Oxford	208	79	25th	44	23rd	71·0	52·4	61·1	+ 7·3	3	0·43	11	- 1	Oxford	6·8	+ 0·6	42	0	38	*	*	*	*
														Malvern ..	7·1	—	44	0	40	59·2	—	52·4	—
c, West .. a Cheadle (N. Staffs.) ..	646	74	24, 25	45	23rd	68·4	52·0	59·7	+ 8·3	5	1·17	30	+ 16	Cheadle	*	*	*	0	38	*	*	*	*
p Tenbury	313	77	25th	38	23rd	71·9	49·7	60·1	+ 7·8	3	1·08	27	+ 16	Tenbury	*	*	*	0	33	57·5	—	—	—
a Hereford	291	79	24th	39	23rd	73·6	50·0	61·1	+ 7·8	3	1·12	28	+ 15	Ross-on-Wye ..	6·8	—	43	0	38	—	*	—	*
a Clifton	226	79	25th	46	23rd	70·9	53·9	61,9	+ 6·8	2	0·11	3	- 13	Clifton	7·5	—	47	0	44	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	77	25th	37	23rd	69·7	49·1	58·8	+ 6·5	4	1·28	32	+ 19	Worthing	6·8	- 0·8	43	0	41	60·6	+2·9	53·9	+1·0
p Wilton Ho.*	180	78	24th	40	23rd	70·9	50·4	60·0	+ 6·0	3	0·33	8	- 5	Marlborough ..	6·2	+ 0·2	39	0	35	56·7	—	51·3	—
a Wisley, Surrey ..	150	81	25th	43	23rd	74·3	51·3	62·1	+ 8·4	1	0·02	1	- 9	Wilton Ho. ..	*	*	*	0	37	60·2	*	*	*
a Tunbridge Wells ..	354	78	25th	42	23rd	71·4	52·1	61·2	+ 7·8	1	0·15	4	- 8	Wisley	7·3	+ 0·6	46	0	34	59·4	+3·4	52·7	+0·6
a Margate	51	74	25, 26	50	23rd	70·0	54·6	61·8	+ 8·0	2	0·45	12	+ 2	Tunbridge Wells	7·9	+ 1·0	50	0	33	57·4	-0·3	52·2	—
														Margate	8·3	+ 1·7	52	0	42	61·6	+6·3	55·3	+3·5
a Dungeness	21	65	24th	42	23rd	62·3	48·4	54·9	+ 1·7	1	0·67	17	+ 9	Folkestone ..	8·2	—	52	*	*	*	*	50·2	—
p St. Leonards	178	73	24th	48	23rd	66·4	53·9	59·8	+ 6·0	3	0·36	9	- 1	St. Leonards ..	7·0	- 1·6	44	0	43	61·2	—	53·6	—
p Southampton	64	79	24th	45	23rd	69·9	52·9	60·9	+ 5·4	3	0·35	9	- 3	Southampton ..	7·1	0·0	45	0	36	*	*	*	*
a Ventnor	59	71	24th	49	23rd	65·1	54·3	59·4	+ 4·8	3	0·20	5	- 6	Ventnor	5·7	- 1·5	36	*	*	*	*	*	*
LONDON. a Richmond (Kew Obs.)	18	80	25th	46	23rd	73·2	55·0	63·6	+ 9·1	2	0·92	23	+ 12	Richmond ..	7·1	+ 0·6	45	0	37	59·5	+3·7	52·5	+1·1
a Westminster	27	81	25th	48	23rd	73·5	55·9	64·2	+ 9·0	2	0·03	1	- 9	Westminster ..	7·3	+ 1·6	46	0	39	*	*	*	*
ag Greenwich	149	87	25th	45	23rd	76·9	52·6	64·0	+ 9·7	1	0·03	1	- 9	Greenwich ..	7·9	+ 1·7	50	0	35	*	*	*	*
a Hampstead	450	79	25th	52	23, 24	70·9	54·4	62·2	—	2	0·65	17	—	Hampstead ..	7·4	—	46	—	—	*	*	*	*
ag Camden Square ..	110	85	25th	48	23rd	77·6	55·6	65·9	+ 9·7	2	0·08	2	- 9	Camden Square	—	—	—	0	41	*	*	*	*
7. a, ENGLAND, N.W.																							
a Aspatria (Mealsgate)	487	74	25th	44	29th	65·0	49·6	56·8	+ 5·7	3	0·77	20	+ 8	Aspatria.. ..	6·2	- 0·1	38	0	41	54·2	+0·7	48·6	-0·3
p Newton Rigg	559	71	24, 25	41	23rd	65·9	47·4	56·1	+ 5·5	3	1·18	30	+ 18	Newton Rigg ..	7·4	+ 1·0	45	0	39	55·9	+2·8	48·8	+0·3
p Stonyhurst	375	75	26th	48	23rd	67·1	52·0	59·1	+ 7·5	3	1·86	47	+ 33	Stonyhurst ..	5·8	- 0·3	36	0	41	*	*	*	*
p Blackpool	66	77	25th	45	29th	66·0	50·9	58·0	+ 6·2	4	1·17	30	+ 19	Blackpool ..	5·8	- 1·5	35	0	40	56·5	—	49·5	—
a Southport	37	79	25th	46	23rd	66·1	50·9	58·0	+ 5·7	4	1·23	31	+ 21	Southport ..	5·7	- 1·4	35	0	41	60·2	+3·6	55·0	+2·1
														Hoylake ..	6·0	- 0·4	37	*	*	*	*	*	*
a Liverpool (Bidston) ..	188	78	25th	48	23, 24	65·7	51·6	58·2	+ 5·3	4	0·98	25	+ 15	Liverpool ..	7·5	—	46	0	42	*	*	*	*
a Hawarden Bridge ..	22	78	25th	51	23rd	68·6	55·0	61·4	+ 8·0	5	0·67	17	+ 8	Manchester(City)	5·1	- 0·3	32	0	47	57·2	+3·4	50·9	+0·3
p Mancnester (Whit. Pk.)	125	81	25th	48	23rd	71·4	53·4	61·9	+ 8·2	4	2·83	72	+ 61	Whitworth Park	5·4	- 0·3	33	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	16	73	25th	47	23, 24	64·4	51·3	57·5	+ 4·6	3	0·81	21	+ 11	Llandudno ..	6·2	- 0·9	38	*	*	*	*	*	*
a Holyhead	15	71	25th	48	29th	61·9	50·4	55·8	+ 4·0	5	1·08	27	+ 17	Holyhead ..	4·5	—	28	0	40	*	*	*	*
a Aberdovey	22	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey ..	—	—	—	*	*	*	*	*	*

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. a. SOUTH WALES.																						
a Aberystwyth	59	77	24, 25	46	23rd	66·1	51·6	58·4	—	4	0·52	13	—	Aberystwyth ..	6·7	+ 0·4	42	•	•	•	•	•	•
a Rhayader	757	74	25th	38	23rd	68·9	50·4	59·1	—	5	0·77	20	—	Rhayader ..	6·6	—	41	1	29	•	•	•	•
a St. Ann's Head ..	149	69	24th	47	23rd	62·1	51·0	56·2	+ 4·4	3	0·06	2	− 8	St. Ann's Head	6·0	− 1·0	37	•	•	•	•	•	•
p Cardiff	202	77	24th	41	24th	68·7	50·4	59·0	+ 5·7	3	0·41	10	− 4	Cardiff	7·2	—	45	0	39	59·0	+2·9	51·9	+0·4
b. ENGLAND, S.W.																						
a Bath	66	78	25th	42	23rd	70·6	52·9	61·2	+ 7·4	2	0·45	11	0	Bath	6·4	− 0·4	40	—	—	59·4	+2·7	53·5	+0·7
a Shaftesbury	722	75	24th	47	23rd	67·1	51·6	58·9	+ 6·6	3	0·14	4	− 8	Shaftesbury ..	•	•	•	•	•	58·1	—	52·1	—
a Arlington	613	75	24, 25	40	23rd	68·4	51·5	59·4	+ 7·6	2	0·41	10	− 7										
a Newquay	190	74	24th	44	23rd	63·5	51·2	57·0	+ 3·9	3	0·22	6	− 4	Newquay ..	5·5	− 1·6	35	0	55	58·4	—	52·8	—
a Cullompton	202	77	24th	44	23rd	71·7	52·6	61·6	+ 7·9	3	0·15	4	− 8	Cullompton ..	6·0	− 0·4	38	0	41	59·2	•	•	•
a Portland Bill	12	64	24th	49	23rd	60·1	51·9	55·8	+ 2·8	3	0·33	8	− 1	Weymouth ..	6·4	—	41	•	•	•	•	•	•
p Plymouth	116	74	24th	46	23rd	67·0	54·1	60·2	+ 5·9	0	0·00	0	− 12	Plymouth ..	6·5	− 0·5	41	0	40	62·2	+5·4	56·0	—
a Falmouth	167	70	26th	45	23rd	65·4	52·6	58·6	+ 5·2	2	0·06	2	− 11	Falmouth ..	7·1	− 0·3	45	0	39	61·7	—	56·1	—
9. IRELAND, N.																						
a West .. a Mallarany	120	76	25th	43	28th	61·6	47·1	53·9	—	4	0·72	18	—	Mallarany ..	3·0	—	19	0	36	—	—	•	•
a West .. a Malin Head	208	64	25th	?45	29th	58·3	47·3	52·5	+ 1·9	2	0·16	4	− 6	Malin Head ..	6·3	—	38	•	•	•	•	•	•
a West .. a Blacksod Point ..	37	72	25th	40	24th	58·6	46·9	52·4	+ 0·5	4	0·44	11	− 3	Markree Castle	4·4	− 1·7	27	0	42	56·2	+0·8	50·9	+0·5
a West .. p Markree Castle ..	122	75	25th	47	25, 28	63·3	48·6	55·5	+ 4·4	3	0·24	6	− 8										
b, East .. p Armagh	196	73	25th	43	24th	66·4	49·9	57·7	+ 6·2	4	0·17	4	− 8	Armagh	5·5	− 0·6	34	0	32	55·4	+0·8	50·1	−0·6
b, East .. a Donaghadee ..	39	65	25th	42	24th	58·7	47·4	52·7	+ 1·6	4	0·35	9	− 2										
10. IRELAND, S.																						
p Dublin, City	47	69	25th	45	24th	63·7	51·3	57·1	+ 3·5	2	0·73	19	+ 8	Trinity Coll. ..	5·0	•	31	0	39	56·9	+2·2	51·8	+0·4
a Birr Castle	175	77	25th	43	24th	66·4	48·6	57·0	+ 4·9	4	0·24	6	− 6	Phœnix Park ..	5·8	− 0·9	36	1	29	•	•	•	•
a Kilkenny	195	74	25th	43	24th	67·4	50·3	58·3	+ 5·8	3	1·43	36	+ 24	Dublin City ..	•	•	•	0	42	•	•	•	•
a Waterford	137	75	24th	45	24th	66·7	50·7	58·2	+ 5·0	2	0·15	4	− 8	Birr Castle ..	4·7	− 1·2	29	0	36	•	•	•	•
p Seskin, Carrick-on-Suir	535	73	25th	46	23rd	66·6	48·3	56·9	—	3	0·41	10	—	Seskin	7·5	—	46	0	36	•	•	•	•
a Cahir	199	74	25th	41	24th	66·7	48·7	57·2	+ 4·7	2	0·10	3	—										
a Foynes	50	72	25th	45	23, 24	64·6	49·0	56·3	+ 3·1	5	0·83	21	+ 8										
a Cahirciveen (Val. Obs.)	30	69	24th	45	24th	59·9	49·7	54·5	+ 1·4	2	0·39	10	− 7	Cahirciveen ..	4·4	− 2·3	28	0	44	•	•	•	•
a Killarney	174	78	24th	44	23rd	64·9	49·4	56·7	+ 3·6	5	0·73	19	+ 3	Ballinacurra ..	5·8	− 1·0	37	•	•	•	•	•	•
a Roche's Point	32	67	24th	46	24th	60·4	51·0	55·4	+ 2·5	5	0·52	13	0										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	66	24th	47	23rd	62·6	52·6	57·3	+ 3·9	3	0·31	8	− 2	Scilly	5·3	− 2·1	34	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	75	24th	49	23rd	69·7	54·1	61·4	+ 6·4	3	0·91	23	+ 11	St. Heliers ..	7·1	− 0·7	45	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	74	25th	48	23rd	66·9	53·6	59·9	+ 5·1	5	0·77	20	+ 9	Guernsey† ..	8·0	− 0·1	51	0	40	60·6	+2·3	54·5	+0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, May 29th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	67	86	15	0	120	10	27	15	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	100	68	0	210	5	23	9	12	23	15	55
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	—	—	—	2	130	36	0	190	6	23	15	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	32	69	67	0	260	6	28	14	11	23	4	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	47	88	33	0	200	9	23	2	13	29	15	55
Paisley	188	81	15	—	—	—	—	16	110	42	0	90	7	25	18	17	25	18	50
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	48	120	0	340	4	26	3	8	28	17	10
South Shields	72	61	12	—	—	—	—	9	94	65	0	160	8	23	13	9	23	10	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	49	86	33	0	80	9	24	13	14	29	16	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	12	125	31	0	230	9	29	17	14	29	16	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	17	75	76	0	—	8	23	23	13	23	15	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	26	110	32	0	60	9	24	16	14	23	16	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	20	112	36	0	90	7	24	14	—	—	—	—
Southport	80	62	48	—	—	—	—	52	94	22	0	100	10	24	12	16	24	12	15
Holyhead	60	40	‡	—	—	—	—	45	88	35	0	60	10	29	6	12	23	1	25
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	29	2	45	87	34	0	230	13	29	14	16	29	14	0
Plymouth	185	88	2	—	—	—	—	11	110	47	0	—	8	29	15	15	24	14	50
Lyme Regis	556	61	‡	—	—	—	—	—	15	153	0	—	5	29	18	10	23	23	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	17	106	45	0	140	7	23	13	—	—	—	—
Quilty	100	40	‡	—	—	—	—	21	115	32	0	—	10	29	22	13	29	21	55
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	29	82	57	0	330	8	29	17	12	29	17	0
Weaver Pt.	160	30	‡	—	—	—	—	19	119	30	0	—	8	29	23	14	29	21	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	3	41	124	0	300	8	29	24	11	29	23	55

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIRST WEEK of 1920—May 23rd to May 29th 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	78	42	88·8	81·6	84·9	+ 2·5	81	+ 30	0	− 3	2	− 2	0·31	8	− 5	6·8	+1·4	39	1018
Eastern.																			
1. SCOTLAND, EAST ...	76	38	90·4	81·6	85·8	+ 2·9	91	+ 33	0	− 4	3	− 1	1·06	27	+ 15	6·4	+0·5	38	1018
2. ENGLAND, N.E.	79	43	91·6	82·9	87·0	+ 3·6	106	+ 44	0	− 1	3	0	1·64	42	+ 30	6·3	+0·1	39	1017
3. ENGLAND, EAST ...	84	41	94·1	84·5	89·0	+ 4·4	132	+ 55	0	− 1	3	0	0·63	16	+ 5	8·1	+1·3	51	1017
4. MIDLAND COUNTIES ...	82	38	94·6	83·8	88·8	+ 4·4	130	+ 54	0	− 1	3	0	0·87	22	+ 9	6·4	+0·6	40	1016
5. ENGLAND, S.E.	81	37	93·7	84·2	88·7	+ 3·6	128	+ 44	0	0	2	− 1	0·48	12	+ 1	7·2	+0·2	45	1016
Western.																			
6. SCOTLAND, WEST ...	79	41	91·9	82·9	87·1	+ 3·4	108	+ 42	0	− 1	3	0	0·44	11	− 3	6·1	−0·4	37	1018
7. ENGLAND, N.W.	81	41	92·0	83·7	87·6	+ 3·5	114	+ 43	0	0	4	+ 1	1·26	32	+ 21	6·2	−0·2	38	1016
8. ENGLAND, S.W.	78	38	92·4	84·1	88·0	+ 3·3	119	+ 42	0	0	3	0	0·28	7	− 6	6·4	−0·3	40	1016
9. IRELAND, NORTH ...	77	40	89·7	81·9	85·6	+ 1·8	88	+ 21	0	− 1	3	− 1	0·27	7	− 5	5·0	−1·2	30	1016
10. IRELAND, SOUTH ...	78	41	91·1	82·9	86·7	+ 2·1	103	+ 26	0	0	3	0	0·57	14	+ 1	5·2	−1·4	32	1016
11. ENGLISH CHANNEL ...	75	47	92·1	84·9	88·3	+ 3·0	123	+ 38	0	0	4	+ 1	0·66	17	+ 6	6·8	−1·0	43	1016

THE SEASON (Spring).—Aggregates, &c., for the Period of 13 Weeks, February 29th to May 29th, 1920.

0. SCOTLAND, NORTH ...	78	25	82·9	76·6	79·6	+ 0·7	367	+ 38	173	− 79	64	+ 5	13·54	341	+ 77	4·2	0·0	30	1006
Eastern.																			
1. SCOTLAND, EAST ...	76	22	83·6	76·2	79·8	+ 0·7	417	+ 26	192	− 90	60	+ 7	8·34	213	+ 47	4·4	−0·2	32	1007
2. ENGLAND, N.E.	79	24	85·0	77·7	81·2	+ 1·4	551	+126	95	−104	57	+10	8·61	220	+ 86	4·3	−0·6	31	1010
3. ENGLAND, EAST ...	84	24	86·6	78·2	82·2	+ 1·8	700	+170	83	−118	51	+ 7	5·61	144	+ 17	5·1	−0·1	37	1012
4. MIDLAND COUNTIES ...	82	20	86·0	78·0	81·8	+ 1·4	639	+ 92	83	−137	57	+14	8·96	227	+ 85	4·0	−0·6	30	1012
5. ENGLAND, S.E.	81	23	86·5	78·9	82·6	+ 1·6	722	+151	58	− 89	51	+ 8	6·04	154	+ 16	4·7	−0·6	35	1013
Western.																			
6. SCOTLAND, WEST ...	79	22	83·8	77·5	80·5	+ 0·5	464	+ 26	104	− 82	68	+16	12·97	331	+ 95	3·6	−1·2	26	1009
7. ENGLAND, N.W.	81	22	84·6	78·5	81·4	+ 1·1	537	+ 75	60	− 99	64	+17	12·46	317	+144	3·8	−1·0	28	1010
8. ENGLAND, S.W.	78	22	85·3	78·8	81·9	+ 0·9	613	+ 81	53	− 69	62	+16	10·96	278	+ 82	4·3	−0·9	31	1012
9. IRELAND, NORTH ...	77	23	84·2	77·4	80·7	+ 0·2	491	+ 23	111	− 36	68	+10	9·93	253	+ 56	3·9	−0·7	29	1008
10. IRELAND, SOUTH ...	78	28	85·0	78·3	81·5	+ 0·3	572	+ 7	69	− 39	65	+15	12·05	305	+ 96	4·1	−1·0	30	1011
11. ENGLISH CHANNEL ...	75	33	86·1	80·7	83·3	+ 1·1	787	+154	7	− 28	54	+ 6	6·90	174	+ 15	5·4	−0·7	40	1015

THE YEAR 1920.—Aggregates, &c., for the Period of 21 Weeks, January 4th to May 29th, 1920.

0. SCOTLAND, NORTH ...	78	19	81·7	75·7	78·7	+ 0·8	429	+ 37	387	−150	108	+ 8	30·31	768	+253	3·1	0·0	26	1005
Eastern.																			
1. SCOTLAND, EAST ...	76	19	82·3	75·4	78·7	+ 0·8	483	+ 36	453	−163	96	+11	13·51	344	+ 64	3·6	0·0	31	1007
2. ENGLAND, N.E.	79	24	83·5	76·6	80·0	+ 1·4	694	+199	280	−192	88	+11	12·11	309	+ 98	3·6	−0·2	30	1011
3. ENGLAND, EAST ...	84	20	84·8	77·0	80·8	+ 1·9	872	+266	270	−224	78	+ 3	8·29	213	+ 7	4·1	+0·1	35	1014
4. MIDLAND COUNTIES ...	82	20	84·9	76·9	80·6	+ 1·7	807	+175	263	−259	90	+16	13·66	346	+110	3·3	−0·3	28	1014
5. ENGLAND, S.E.	81	17	84·9	77·8	81·3	+ 1·7	934	+263	166	−213	83	+10	9·77	250	+ 11	3·9	−0·2	33	1015
Western.																			
6. SCOTLAND, WEST ...	79	22	82·7	76·7	79·6	+ 0·7	576	+ 62	269	−147	112	+22	23·27	593	+153	2·9	−0·7	24	1010
7. ENGLAND, N.W.	81	22	83·5	77·5	80·4	+ 1·3	701	+159	187	−195	99	+19	19·06	484	+179	3·1	−0·6	27	1012
8. ENGLAND, S.W.	78	17	84·2	78·1	81·1	+ 1·3	817	+159	131	−170	98	+18	17·60	445	+ 92	3·4	−0·6	29	1014
9. IRELAND, NORTH ...	77	23	83·4	76·8	80·0	+ 0·6	684	+108	241	− 99	113	+16	17·37	442	+ 92	3·1	−0·4	27	1009
10. IRELAND, SOUTH ...	78	22	84·2	77·8	80·9	+ 0·7	805	+ 80	145	−115	108	+21	19·80	501	+120	3·4	−0·5	28	1012
11. ENGLISH CHANNEL ...	75	29	84·9	80·1	82·4	+ 1·1	1057	+231	20	− 85	84	− 2	11·21	282	− 11	4·3	−0·5	37	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: June 4th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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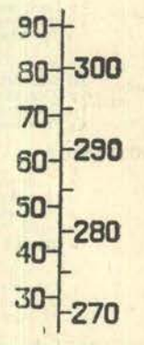
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 22.

TWENTY-SECOND WEEK, SUNDAY, MAY 30TH TO SATURDAY, JUNE 5TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first few days of the period the weather over the greater part of the British Islands was unsettled and showery. On Wednesday the large anticyclone which was over the Atlantic to the south-west extended to our southern districts and fine weather prevailed during the remainder of the week. This was followed by another high pressure system from the north of Scotland giving us the fall of temperature experienced on Saturday. Mean temperature was above the normal in most of the English districts but below in Scotland and Ireland North. The highest temperatures occurred on Wednesday in England S.E. and S.W., but later in the week in Ireland; maxima as high as 298 a were reported at Tunbridge Wells and Cullompton. After Wednesday temperature fell rapidly and at several stations a drop of as much as 20° F. occurred between the 2nd and 5th. The screen minima included one or two very low readings, the lowest being 272 a at West Linton and 273 a at Marlborough and Rhayader, while the thermometer on the grass descended to 266 a at Phœnix Park, 268 a at Rhayader and 269 a in many parts of Scotland. Rainfall was below the normal in all districts, by as much as 14mm. in Ireland south and about 10mm. over the southern parts of England; one or two rather heavy falls took place in Scotland, 16mm. at Ford and 13mm. at Poltalloch on the 31st, 12mm. at Aberdeen on the 30th and 10mm. at Fort William and Gordon Castle on the 1st. Thunder was heard at Yarmouth, Norwich, Oxford and Southport on the 30th and hail occurred at Yarmouth on the same date. The daily mean of bright sunshine was below the normal in most districts, by as much as two hours in Scotland. On Wednesday, however, several stations in England South-east had as much as 13 hours and on Thursday 15 hours were common in England South-west. Solar halos were observed at Birmingham on the 5th and at Oxford on the 30th, 31st, 2nd and 3rd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	7	2·0	11	1·7	7	3·0	5	1·9	7	3·9	4	0·5	15	3·5	12	2·2
North	17	4·5	4	1·6	17	3·6	19	2·8	15	3·5	23	2·1	10	2·5	6	1·5
West	20	5·1	17	7·3	19	3·1	17	2·4	18	5·6	14	3·3	20	7·1	16	4·1
East	4	3·5	8	2·0	4	2·5	6	1·3	4	5·2	13	1·5	6	3·5	3	2·3
Calm	1	—	2	—	2	—	3	—	5	—	0	—	2	—	9	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

Comparison with normal for the time of year ...	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ...	Moderate	Moderate	Light	Light	Very light	Very light	Moderate	Light	Light	Light	Very light	Very light
Sunshine ...	Very Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	Abundant	Scanty	Moderate	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 1 week from May 30th, 1920.	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Warmth ...	0, 1, 0	0, 1, 0	1, 0, 0	1, 0, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0, 1, 0	0 1, 0
Rainfall ...	0, 1, 0	0, 1, 0	0, 0, 1	0, 0 1	0, 0 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1
Sunshine ...	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	1, 0, 0	0, 0, 1	0, 1, 0	1, 0, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28856—19) Wt. 24—561/P 25 500 6/20 H. St. G. 17/.36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.			Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.			
		Highest.	Date.	Lowest.	Date.	Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of R. in-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F		°F	°F	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.	54	53	3rd	40	5th	51·1	42·7	46·6	− 0·6	3	0·67	17	+ 6										
a Lerwick ..	165	54	31, 1, 2	41	5th	51·0	44·3	47·4	—	5	0·36	9	− 2	Deerness ..	1·6	− 4·2	9	•	•	•	•	•	•
a, Islands .. p Deerness, Orkney	51	56	30th	42	2nd	53·6	46·0	49·5	0·0	3	0·35	9	− 5	Stornoway ..	3·5	− 2·9	20	•	•	•	•	•	•
a Stornoway ..	37	54	4, 5	44	5th	53·1	48·1	50·4	—	3	0·16	4	—	Castlebay ..	5·4	—	31	•	•	•	•	•	•
a Castlebay, Barra I. ..	81	57	31st	43	31, 5	50·9	44·3	47·4	− 1·8	4	0·87	22	+ 11										
b, Mainland. a Wick ..	125	59	31st	42	3-5	50·6	45·3	47·6	− 1·2	2	0·44	11	+ 1										
a Strathpeffer ..	100	58	5th	41	4, 5	54·0	44·9	49·1	− 1·3	5	1·06	27	+ 3										
p Glencarron ..	98	62	2nd	44	5th	57·0	47·6	52·0	+ 0·8	2	0·07	2	− 11										
a Fort Augustus ..	171	62	5th	37	5th	57·7	46·1	51·5	− 1·1	5	0·64	16	− 5										
p Fort William ..																							
1. SCOTLAND, E.																							
a Nairn	82	60	31st	42	5th	55·6	46·3	50·6	− 0·9	5	0·29	7	− 4	Nairn	2·5	—	14	•	•	•	•	•	•
p Gordon Castle	101	59	31st	42	5th	54·6	45·6	49·8	− 2·0	6	1·21	31	+ 17	Gordon Castle ..	1·7	—	10	•	•	•	•	•	•
a Aberdeen	46	63	31st	44	4, 5	56·0	47·0	51·2	+ 0·2	5	0·67	17	+ 5	Aberdeen ..	2·4	− 4·3	14	0	36	•	•	49·1	+1·1
a Balmoral	930	64	2nd	38	5th	57·6	43·4	50·0	+ 0·5	3	0·09	2	− 11	Balmoral ..	•	•	•	0	32	•	•	•	•
p Crieff	43	64	3rd	37	4, 5	61·4	43·6	51·9	− 1·1	1	0·11	3	− 12	Crathes	3·4	− 2·9	20	0	33	54·0	+ 1·3	50·1	+1·4
a Dundee	344	67	2nd	32	5th	61·6	42·6	51·4	− 1·1	1	0·04	1	− 11	Dundee	6·8	—	40	2	26	55·0	•	•	•
a Leith	30	64	3rd	41	5th	59·7	48·1	53·5	+ 0·5	3	0·17	4	− 7	Leith	•	•	•	0	36	•	•	•	•
p Edinburgh	441	62	3rd	42	5th	57·3	45·7	51·1	− 0·3	2	0·12	3	− 8	Edinburgh ..	5·2	− 1·2	31	0	34	•	•	•	•
a West Linton	769	60	3rd	30	5th	55·9	42·9	49·0	− 0·5	3	0·13	3	—	West Linton ..	3·5	—	21	1	26	•	•	•	•
p Marchmont	9	64	1st	40	5th	58·6	45·1	51·4	+ 0·2	1	0·04	1	− 13	Marchmont ..	5·0	− 1·5	29	•	•	•	•	•	•
6. a. SCOTLAND, W.																							
a Ford (Argyll)	49	64	4th	36	5th	57·6	46·0	51·4	—	3	1·09	28	—	Ford (Argyll) ..	•	•	•	1	28	55·0	—	49·8	—
p Glasgow Observatory	180	65	4th	43	5th	58·7	48·6	53·3	+ 0·2	3	0·35	9	− 6	Glasgow	4·1	− 1·5	24	0	33	•	•	•	•
p Rothesay	200	62	4th	43	5th	56·3	46·9	51·3	− 1·8	5	0·63	16	− 2	Rothesay ..	4·6	—	27	0	39	54·1	—	51·0	+0·6
a Kilmarnock	90	64	4th	39	5th	59·4	47·3	52·9	+ 0·5	3	0·24	6	− 8	Kilmarnock ..	4·4	—	26	•	•	54·6	—	48·9	—
a Colmonell	170	59	31, 5	43	5th	58·6	48·0	52·7	+ 0·5	2	0·18	5	− 10	Colmonell ..	•	•	•	0	41	•	•	•	•
p Cally, Gatehouse	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries	4·1	—	24	2	30	55·2	− 0·9	51·0	—
) Dumfries	160	64	30th	40	5th	60·6	47·4	53·5	− 0·2	2	0·16	4	− 10	Eskdalemuir ..	4·3	—	26	?	?	•	•	•	•
a Eskdalemuir	794	63	3rd	35	5th	57·7	44·1	50·4	—	3	0·41	11	—										
b. I. OF MAN p Douglas	27	63	1st	42	5th	58·1	48·3	52·9	0·0	2	0·17	4	− 10	Douglas	6·4	− 1·3	39	0	34	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	21	67	1, 2	43	5th	60·6	48·3	54·0	+ 2·0	3	0·13	3	− 9										
a Tynemouth	118	67	1st	44	5th	58·4	48·9	53·3	+ 1·5	3	0·31	8	− 3	Cockle Park ..	2·2	− 3·8	13	0	39	53·1	− 0·5	50·7	+0·9
p Durham	336	68	1, 2	42	5th	61·3	46·7	53·5	+ 1·0	3	0·19	5	− 5	Durham	4·6	− 1·1	27	0	35	•	•	•	•
a North .. p Rounton	249	68	1, 2	42	5th	59·7	47·7	53·3	+ 1·2	3	0·14	4	− 8	Rounton	•	•	•	0	35	55·8	•	•	•
a West Witton	605	70	3rd	42	5th	61·3	47·6	54·0	—	1	0·01	0	—	West Witton ..	•	•	•	0	40	55·5	—	49·3	—
p Scarborough	108	73	2nd	45	5th	65·4	49·4	56·8	+ 3·8	2	0·11	3	− 7	Scarborough† ..	3·6	− 2·6	21	•	•	•	•	53·7	—
p York	58	72	2nd	44	5th	61·9	50·0	55·5	+ 0·6	1	0·08	2	− 9	York	4·8	− 1·0	29	—	—	55·9	+1·8	51·4	+0·7
a Spurn Head	26	65	2nd	45	5th	59·0	49·3	53·8	+ 0·4	2	0·06	1	− 7	Spurn Head ..	•	•	•	•	•	•	•	•	•
b. South .. a Lincoln	52	74	1st	45	5th	64·0	50·6	56·8	+ 1·2	2	0·06	2	− 9	Lincoln	•	•	•	0	45	57·1	+ 1·0	51·9	+0·9
a Fulbeck	180	74	1st	44	5th	64·6	50·7	57·2	+ 2·2	3	0·11	3	− 8	Fulbeck	5·0	− 1·7	31	•	•	—	—	—	—
														Skegness	5·0	− 2·1	31	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	158	72	1st	44	4, 5	61, 4	48·1	54·3	+ 0·3	2	0·02	1	− 8	Cromer	4·7	− 2·2	28	•	•	•	•	•	•
a Little Massingham ..	288	70	1st	42	5th	60·9	47·4	53·7	− 1·2	2	0·16	4	− 7	Lit. Massingham	4·1	− 2·8	25	•	•	•	•	•	•
a Yarmouth	13	73	2nd	47	5th	63·1	51·0	56·6	+ 2·5	3	0·36	9	0	Yarmouth ..	4·8	—	30	0	47	57·7	− 1·5	54·3	− 0·4
a Norwich	83	71	1, 2	46	5th	62·7	51·3	56·6	+ 1·3	2	0·24	6	− 4	Norwich	4·2	—	26	0	45	60·7	•	•	•
a Geldeston	87	74	2nd	45	5th	64·9	49·7	56·8	+ 2·1	1	0·10	3	− 7	Geldeston	5·1	− 2·3	31	•	•	•	•	•	•
p Cambridge	41	74	2nd	45	5th	64·9	49·6	56·7	+ 0·8	2	0·04	1	− 9	Cambridge	5·9	− 1·1	37	0	41	60·8	+ 2·9	55·6	+1·9
a Clacton-on-Sea ..	54	75	2nd	47	5th	64·3	51·6	57·5	+ 2·7	2	0·20	5	− 3	Clacton	5·7	− 2·3	35	0	46	59·2	+ 2·3	55·9	+2·0
a Rothamsted	428	69	1, 2	43	5th	62·4	48·4	54·9	0·0	3	0·07	2	− 9	Rothamsted ..	7·4	+ 0·5	46	0	40	58·3	•	•	•
p Tottenham	51	74	2nd	45	5th	66·1	52·9	59·0	—	2	0·14	4	—	Tottenham	6·2	—	38	0	47	•	•	56·5	+2·1
														S'thend-on-Sea	6·1	—	35	0	43	61·6	+ 2·0	—	—
4. MIDLAND COUNTIES.																							
a Harrogate	479	66	2, 3	42	5th	59·1	46·4	52·3	− 0·4	3	0·11	3	− 9	Harrogate	5·2	− 1·2	32	0	38	53·1	+ 0·9	51·2	+1·0
a North .. p Sheffield	429	71	1st	43	5th	61·6	48·7	54·7	—	3	0·27	7	—	Sheffield	4·8	− 1·1	29	0	40	55·9	+ 2·3	50·2	+1·3
p Buxton	987	67	1st	37	5th	57·9	45·6	51·3	—	4	0·33	9	− 8	Buxton	4·2	—	26	0	33	54·4	+ 0·8	49·7	+1·5
a Worksop	56	75	2nd	43	5th	65·3	49·4	56·8	+ 2·2	2	0·10	3	− 8	Worksop	4·6	− 1·2	28	0	35	57·9	—	53·1	—
a Nottingham	82	71	1st	44	5th	62·7	49·9	56·3	+ 0·8	3	0·13	3	− 8	Nottingham ..	4·3	− 1·9	30	0	40	57·6	+ 1·1	53·4	+2·0
b, East .. p Birmingham, Edgbsn.	538	71	1st	40	5th	62·1	48·3	54·7	− 0·3	3	0·11	3	− 9	Birmingham ..	5·7	+ 0·5	36	0	32	53·8	+ 2·1	49·3	+1·0
a Raunds	203	74	1st	44	5th	66·4	49·0	57·1	+ 1·7	2	0·04	1	− 10	Raunds	7·2	—	44	0	37	59·4	•	54·1	—
p Oxford	208	74	1st	39	5th	65·6	48·4	56·4	+ 0·4	1	0·01	0	− 11	Oxford	7·2	+ 0·5	44	0	34	•	•	•	•
														Malvern	7·9	—	49	0	35	59·8	—	54·9	—
a Cheadle (N. Staffs.) ..	640	71	1st	36	5th	61·4	46·9	53·7	+ 0·1	2	0·07	2	− 11	Cheadle	•	•	•	0	36	•	•	•	•
c. West .. p Tenbury	318	73	2nd	32	5th	66·1	46·4	55·6	+ 1·1	3	0·11	3	− 7	Tenbury	•	•	•	1	29	59·4	—	—	—
a Hereford	291	73	1st	35	5th	66·9	47·0	56·3	+ 0·9	3	0·05	1	− 10	Ross-on-Wye ..	7·9	—	49	0	33	—	—	—	—
a Clifton	—	76	2nd	43	5th	65·7	50·1	57·4	+ 0·2	1	0·02	1	− 14	Clifton	9·0	—	56	0	41	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	3	74	2nd	33	5th	65·0	46·1	54·9	+ 0·6	1	0·02	0·4	− 12	Worthing	9·2	+ 1·3	58	0	39	61·1	+ 1·8	55·4	+1·3
p Wilton Ho.*	18	—	—	—	—	—	—	—	—	—	—	—	—	Marlborough ..	5·7	− 0·6	36	0	32	57·5	—	52·8	—
a Wisley, Surrey ..	150	70	2nd	45	5th	67·0	49·6	57·7	+ 2·0	1	0·01	0·3	− 9	Wilton Ho. ..	•	•	•	—	—	—	—	—	—
a Tunbridge Wells ..	58	78	2nd	45	5th	66·3	49·3	57·2	+ 1·8	1	0·02	1	− 10	Wisley	7·5	+ 0·4	47	0	35	59·8	+ 2·3	54·6	+1·3
a Margate	51	72	2nd	48	5th	63·4	52·7	57·7	+ 1·9	1	0·11	3	− 6	Tunbridge Wells	6·0	− 1·2	38	0	42	59·2	− 0·4	54·1	—
														Margate	5·4	− 1·5	33	0	48	62·3	+ 5·2	57·8	+ 4·7
a Dungeness	21	69	2nd	42	5th	62·7	47·0	54·3	− 0·9	1	0·04	1	− 7	Folkestone ..	6·2	—	39	•	•	•	•	51·6	—
p St. Leonards	170	70	2nd	46	5th	63·4	51·1	56·8	+ 1·1	2	0·03	1	− 8	St. Leonards ..	6·8	− 1·2	42	0	46	61·5	—	55·3	—
p Southampton	65	77	2nd	39	5th	68·1	49·0	57·9	+ 0·4	0	0·00	0·1	− 11	Southampton ..	8·5	+ 1·1	53	1	30	•	•	•	•
a Ventnor	68	72	2nd	41	5th	64·4	50·3	56·9	+ 0·4	0	0·00	0	− 10	Ventnor	10·0	+ 2·3	62	•	•	•	•	•	•
LONDON. a Richmond (Kew Obs.)	18	73	1, 2	46	5th	65·5	51·2	57·9	+ 1·3	1	0·10	3	− 8	Richmond	6·4	− 0·5	39	0	40	60·3	+ 3·1	54·3	+1·7
a Westminster	27	77	2nd	47	5th	67·2	51·6	58·9	+ 1·6	2	0·09	2	− 8	Westminster ..	6·4	+ 0·4	40	0	41	•	•	•	•
ag Greenwich	149	79	2nd	46	5th	68·6	50·3	58·8	+ 3·2	3	0·17	4	− 7	Greenwich ..	6·3	+ 0·1	39	0	41	•	•	•	•
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	•	•	•	•
ag Camden Square ..	110	80	2nd	47	5th	71·1	52·7	61·3	+ 3·0	2	0·11	3	− 8	Camden Square	—	—	—	0	44	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	1, 3	39	5th	56·7	46·1	51·0	− 2·1	4	0·27	7	− 8	Aspatria	4·3	− 2·5	26	0	37	54·1	− 1·0	50·1	—
p Newton Rigg	568	66	1st	35	5th	60·6	46·4	53·0	+ 0·3	3	0·25	6	− 8	Newton Rigg ..	4·6	− 2·3	28	0	31	56·4	+ 1·9	50·9	+1·3
p Stonyhurst	375	63	3rd	40	5th	58·9	48·4	53·3	− 0·3	3	0·43	11	− 7	Stonyhurst ..	5·2	− 1·2	31	0	33	•	•	•	•
p Blackpool	60	62	1st	40	5th	58·9	49·4	53·8	0·0	2	0·16	4	− 9	Blackpool ..	7·1	− 0·6	43	1	30	56·8	—	50·7	—
a Southport	37	64	1st	40	5th	59·1	49·4	53·9	− 0·3	3	0·25	6	− 7	Southport ..	6·8	− 0·6	41	0	34	59·9	+ 1·9	56·5	+1·3
														Hoylake	6·6	0·0	41	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	67	1st	43	5th	59·1	49·0	53·7	− 1·1	2	0·16	4	− 8	Liverpool	6·1	—	37	0	38	•	•	•	•
a Hawarden Bridge ..	22	73	1st	45	5th	62·7	51·1	56·5	+ 1·2	3	0·11	3	− 8	Manchester (City)	4·7	− 1·0	29	0	39	57·7	+ 2·2	51·0	+2·1
p Manchester (Whit. Pk.)	125	69	1st	41	5th	61·3	49·3	54·9	− 0·8	2	0·22	6	− 8	Whitworth Park	4·1	− 1·4	25	•	•	•	•	•	•
b NORTH WALES.																							
p Llandudno	16	64	1st	40	5th	59·1	49·4	53·9	− 0·9	3	0·07	2	− 10	Llandudno ..	8·1	+ 0·6	49	•		•	•	•	•
a Holyhead	15	62	1st	43	5th	58·3	48·4	53·0	− 0·6	2	0·12	3	− 9	Holyhead ..	7·1	—	43	0	32	•	•	•	•
a Aberdovey	52	68	3rd	46	5th	62·3	50·6	56·0	—	1	0·40	10	—	Aberdovey ..	7·9	+ 0·9	48	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
3. *a*, SOUTH WALES.																						
a Aberystwyth	59	63	4th	42	5th	59·1	49·3	53·9	—	1	0·15	4	—	Aberystwyth ..	7·8	+ 1·3	48	•	•	•	•	•	•
a Rhayader	757	68	2nd	33	5th	62·6	46·1	53·8		1	0·06	1	—	Rhayader ..	8·9	—	54	1	23	•	•	•	•
a St. Ann's Head ..	149	64	2nd	45	5th	58·9	50·0	54·1	+ 0·6	0	0·00	0	— 10	St. Ann's Head ..	7·9	+ 0·6	49	•	•	•	•	•	•
p Cardiff	202	74	2nd	40	5th	64·0	48·4	55·7	+ 0·5	0	0·00	0	— 12	Cardiff	7·9	—	49	0	34	59·9	+2·1	53·6	+0·8
b, ENGLAND, S.W.																						
a Bath	86	75	2nd	36	5th	65·3	48·9	56·5	+ 0·8	1	0·02	1	— 9	Bath	6·8	— 0·2	42	—	—	60·5	+2·4	55·4	+1·3
a Shaftesbury .. .	722	74	2nd	38	5th	64·1	46·3	54·6	+ 0·4	1	0·04	1	— 10	Shaftesbury ..	•	•	•	•	•	58·4	—	53·8	—
a Arlington	613	66	2, 3	40	5th	61·6	47·7	54·2	+ 0·6	1	0·03	1	— 14										
a Newquay	190	60	4th	40	5th	58·5	50·2	54·1	— 0·7	0	0·00	0	— 9	Newquay ..	7·5	+ 0·1	47	—	—	59·3	—	54·2	—
a Cullompton	202	78	2nd	36	5th	69·4	49·7	58·9	+ 3·4	1	0·23	6	— 5	Cullompton ..	8·0	+ 1·4	50	0	32	61·1	•	•	•
a Portland Bill	19	68	3rd	46	5th	59·6	51·0	55·0	+ 0·3	0	0·00	0	— 7	Weymouth ..	10·3	—	64	•	•	•	•	•	•
p Plymouth	116	73	2nd	44	5th	64·4	51·0	57·2	+ 1·2	0	0·00	0	— 10	Plymouth ..	8·9	+ 1·7	56	0	36	62 8	+4·4	55·9	—
a Falmouth	167	69	3rd	44	5th	64·1	50·0	56·6	+ 1·5	0	0·00	0	— 11	Falmouth ..	9·2	+ 1·5	58	0	37	62·6	—	58·1	—
9. IRELAND, N.																						
a West .. { *a* Mallarany	120	66	4th	47	30, 4	63·1	48·7	55·4	—	3	0·61	16	—	Mallarany ..	4·8	—	29	0	40	—	—	•	•
a Malin Head	208	56	30, 1	35	5th	54·7	44·7	49·4	— 2·6	2	0·24	6	— 6	Malin Head ..	3·3	—	20	•	•	•	•	•	•
a Blacksod Point ..	37	62	4, 5	43	30th	58·1	47·1	52·2	— 1·1	3	0·18	5	— 11	Markree Castle	4·1	— 2·0	25	0	33	56·5	0·0	51·5	—
p Markree Castle ..	122	65	4th	38	5th	60·7	44·0	51·8	— 0·8	2	0·19	5	— 12										
b, East .. { *p* Armagh	196	69	5th	39	5th	62·4	47·7	54·5	+ 1·4	2	0·16	4	— 10	Armagh	6·4	+ 0·2	38	1	29	56·4	+0·6	52·0	+0·3
a Donaghadee	39	62	1st	41	5th	59·0	47·4	52·8	+ 0·3	3	0·20	5	— 8										
10. IRELAND, S.																						
p Dublin, City	47	66	3rd	43	5th	62·4	50·7	56·1	+ 0·9	3	0·16	4	— 8	Trinity Coll. ..	6·6	•	40	0	36	57·5	+1·5	53·4	+1·0
a Birr Castle	175	67	5th	35	5th	61·1	45·0	52·5	— 1·2	4	0·13	3	— 10	Phœnix Park ..	7·0	+ 0·3	42	1	20	•	•	•	•
a Kilkenny	195	68	5th	36	5th	64·4	46·9	55 0	+ 0·9	0	0·00	0	— 13	Dublin City ..	•	•	•	0	37	•	•	•	•
a Waterford	137	69	3rd	41	5th	65·9	47·1	55·9	+ 1·1	0	0·00	0	— 14	Birr Castle ..	5·3	— 0·6	32	1	27	•	•	•	•
p Seskin, Carrick-on-Suir	535	69	5th	41	5th	65·0	46·4	55·1	—	0	0·00	0	—	Seskin	7·6	—	47	1	27	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	66	3, 5	42	5th	62·4	47·7	54·5	— 0·1	1	0·05	1	— 12										
a Cahirciveen (Val. Obs.)	30	66	2nd	47	3–5	60·4	49·1	54·4	0·0	0	0·00	0	— 18	Cahirciveen ..	8·0	+ 1·4	50	0	41	•	•	•	•
a Killarney	174	74	2nd	43	5th	68·4	48·4	57·7	+ 3·2	1	0·02	1	— 16	Ballinacurra ..	9·0	+ 2·3	56	•	•	•	•	•	•
a Roche's Point	32	69	2nd	43	5th	63·4	48·9	55·7	+ 1 4	2	0·03	1	— 14										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	62	3, 5	50	31, 5	60·4	51·6	55·7	+ 0·6	0	0·00	0	— 11	Scilly	6·8	— 1·0	43	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	67	2nd	44	5th	61·9	52·4	56·8	+ 0·1	1	0·04	1	— 12	St. Heliers ..	9·9	+ 1·8	62	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	68	2nd	49	5th	62·6	52·1	57·0	+ 0 5	0	0·00	0	— 12	Guernsey† ..	11·1	+ 2·7	70	0	40	60·3	+1·2	56·3	+1·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 5th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	31, 1	10	95	60	3	0	260	13	1	11	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	124	39	0	360	6	4	13	15	4	9	50
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	—	—	—	26	122	20	0	310	8	30	11	—	—	—	—
Edinburgh	485	39	31	—	—	31, 2	5	84	67	12	0	270	13	2	5	19	1	23	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	1, 2	3	86	75	4	0	300	13	2	13	18	2	12	30
Paisley	188	81	15	—	—	—	—	32	115	21	0	280	9	2	7	17	1	7	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	35	112	21	0	350	10	4	12	17	4	13	15
South Shields	72	61	12	—	—	2	3	92	66	7	0	280	12	2	6	18	2	7	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	62	99	7	0	230	9	30	3	16	30	23	0
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	13	140	15	0	270	8	30	12	14	30	11	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	19	116	33	0	—	8	30	15	13	30	15	0
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	16	129	23	0	20	6	4	15	13	30	14	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	30, 31, 3	23	107	29	9	0	320	14	3	16	—	—	—	—
Southport	80	62	48	—	—	30 to 1, 3	31	105	32	0	0	270	15	31	3	19	31	3	15
Holyhead	60	40	‡	—	—	30	1	98	44	25	0	280	11	30	23	14	30	6	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	30	5	77	82	4	0	240	13	30	13	18	30	14	0
Plymouth	185	88	2	—	—	—	—	15	130	23	0	—	8	30	15	14	30	14	50
Lyme Regis	556	61	‡	—	—	—	—	5	45	118	0	—	8	30	7	11	30	7	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	30 to 1	15	79	61	13	0	250	14	31	18	—	—	—	—
Quilty	100	40	‡	—	—	31, 1	5	70	75	18	0	—	12	31	10	17	31	10	5
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	40	89	39	0	300	8	30	17	13	30	14	50
Weaver Pt.	160	30	‡	—	—	—	—	53	91	24	0	—	10	4	13	15	30	17	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	24	111	33	0	300	10	30	2	13	30	2	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SECOND WEEK of 1920—May 30th to June 5th 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	62	37	85·4	80·4	82·7	− 0·6	53	− 7	0	− 1	3	− 1	0·59	15	0	2·5	−3·0	14	1019
Eastern.																			
1. SCOTLAND, EAST ...	64	30	87·1	80·4	83·5	− 0·4	62	− 5	0	− 1	3	0	0·34	9	− 4	4·2	−2·2	25	1020
2. ENGLAND, N.E.	75	42	89·5	82·5	85·7	+ 1·0	90	+ 12	0	0	2	− 1	0·13	3	− 8	6·2	−0·1	37	1020
3. ENGLAND, EAST ...	75	42	90·4	83·0	86·4	+ 0·6	99	+ 7	0	0	2	− 1	0·15	4	− 6	5·5	−1·7	34	1021
4. MIDLAND COUNTIES ...	76	32	90·8	82·0	86·1	+ 0·5	95	+ 5	0	0	2	− 1	0·08	2	− 10	6·1	−0·2	37	1022
5. ENGLAND, S.E.	78	33	91·4	82·8	86·8	+ 0·6	104	+ 7	0	0	1	− 2	0·04	1	− 9	7·2	−0·2	45	1022
Western.																			
6. SCOTLAND, WEST ...	65	36	87·7	81·6	84·4	− 0·2	74	− 2	0	0	3	− 1	0·40	10	− 7	5·3	−1·3	32	1021
7. ENGLAND, N.W.	73	35	88·3	82·2	85·1	− 0·1	82	− 1	0	0	3	0	0·20	5	− 9	6·3	−0·5	38	1023
8. ENGLAND, S.W.	75	33	90·4	82·4	86·2	+ 0·5	96	+ 6	0	0	1	− 2	0·04	1	− 10	8·1	+1·2	51	1024
9. IRELAND, NORTH ...	69	35	88·2	80·8	84·2	− 0·4	71	− 6	0	0	3	− 1	0·18	5	− 10	5·3	−0·9	31	1023
10. IRELAND, SOUTH ...	74	35	90·6	81·9	85·9	+ 0·5	92	+ 5	0	0	1	− 2	0·05	1	− 14	7·3	+0·9	45	1025
11. ENGLISH CHANNEL ...	68	44	89·4	84·1	86·6	+ 0·3	102	+ 5	0	0	0	− 3	0·01	0	− 12	9·3	+1·1	58	1025

THE SEASON (Summer).—Aggregates, &c., for the Period of 1 Week, May 30th to June 5th, 1920.

0. SCOTLAND, NORTH ...	62	37	85·4	80·4	82·7	− 0·6	53	− 7	0	− 1	3	− 1	0·59	15	0	2·5	−3·0	14	1019
Eastern.																			
1. SCOTLAND, EAST ...	64	30	87·1	80·4	83·5	− 0·4	62	− 5	0	− 1	3	0	0·34	9	− 4	4·2	−2·2	25	1020
2. ENGLAND, N.E.	75	42	89·5	82·5	85·7	+ 1·0	90	+ 12	0	0	2	− 1	0·13	3	− 8	6·2	−0·1	37	1020
3. ENGLAND, EAST ...	75	42	90·4	83·0	86·4	+ 0·6	99	+ 7	0	0	2	− 1	0·15	4	− 6	5·5	−1·7	34	1021
4. MIDLAND COUNTIES ...	76	32	90·8	82·0	86·1	+ 0·5	95	+ 5	0	0	2	− 1	0·08	2	− 10	6·1	−0·2	37	1022
5. ENGLAND, S.E.	78	33	91·4	82·8	86·8	+ 0·6	104	+ 7	0	0	1	− 2	0·04	1	− 9	7·2	−0·2	45	1022
Western.																			
6. SCOTLAND, WEST ...	65	36	87·7	81·6	84·4	− 0·2	74	− 2	0	0	3	− 1	0·40	10	− 7	5·3	−1·3	32	1021
7. ENGLAND, N.W.	73	35	88·3	82·2	85·1	− 0·1	82	− 1	0	0	3	0	0·20	5	− 9	6·3	−0·5	38	1023
8. ENGLAND, S.W.	75	33	90·4	82·4	86·2	+ 0·5	96	+ 6	0	0	1	− 2	0·04	1	− 10	8·1	+1·2	51	1024
9. IRELAND, NORTH ...	69	35	88·2	80·8	84·2	− 0·4	71	− 6	0	0	3	− 1	0·18	5	− 10	5·3	−0·9	31	1023
10. IRELAND, SOUTH ...	74	35	90·6	81·9	85·9	+ 0·5	92	+ 5	0	0	1	− 2	0·05	1	− 14	7·3	+0·9	45	1025
11. ENGLISH CHANNEL ...	68	44	89·4	84·1	86·6	+ 0·3	102	+ 5	0	0	0	− 3	0·01	0	− 12	9·3	+1·1	58	1025

THE YEAR 1920.—Aggregates, &c., for the Period of 22 Weeks, January 4th to June 5th, 1920.

0. SCOTLAND, NORTH ...	78	19	81·9	76·0	78·9	+ 0·7	482	+ 40	387	−151	111	+ 7	30·90	783	+253	3·1	−0·1	26	1006
Eastern.																			
1. SCOTLAND, EAST ...	76	19	82·5	75·6	79·0	+ 0·8	545	+ 31	453	−164	99	+11	13·85	353	+ 60	3·6	−0·1	31	1008
2. ENGLAND, N.E.	79	24	83·8	76·9	80·3	+ 1·4	784	+211	280	−192	90	+10	12·24	312	+ 90	3·7	−0·3	31	1012
3. ENGLAND, EAST ...	84	20	85·1	77·2	81·0	+ 1·8	971	+273	270	−224	80	+ 2	8·44	217	+ 1	4·1	−0·1	34	1015
4. MIDLAND COUNTIES ...	82	20	85·2	77·1	80·8	+ 1·6	902	+180	263	−259	92	+15	13·74	348	+100	3·4	−0·3	28	1014
5. ENGLAND, S.E.	81	17	85·2	78·1	81·6	+ 1·7	1038	+270	166	−213	84	+ 8	9·81	251	+ 2	4·0	−0·2	33	1015
Western.																			
6. SCOTLAND, WEST ...	79	22	82·9	76·9	79·8	+ 0·7	650	+ 60	269	−147	115	+21	23·67	603	+146	3·0	−0·7	25	1010
7. ENGLAND, N.W.	81	22	83·7	77·8	80·7	+ 1·3	783	+158	187	−195	102	+19	19·26	489	+170	3·3	−0·5	27	1012
8. ENGLAND, S.W.	78	17	84·5	78·3	81·3	+ 1·2	913	+165	131	−170	99	+16	17·64	446	+ 82	3·7	−0·4	31	1015
9. IRELAND, NORTH ...	77	23	83·6	77·0	80·2	+ 0·5	755	+102	241	− 99	116	+15	17·55	447	+ 82	3·2	−0·4	27	1009
10. IRELAND, SOUTH ...	78	22	84·5	78·0	81·2	+ 0·7	897	+ 85	145	−115	109	+19	19·85	502	+106	3·5	−0·5	29	1013
11. ENGLISH CHANNEL ...	75	29	85·1	80·3	82·6	+ 1·1	1159	+236	20	− 85	84	− 5	11·22	282	− 23	4·6	−0·3	38	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.		%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: June 11th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

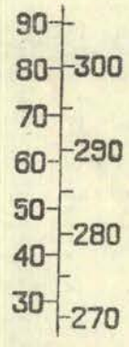
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 23.

TWENTY-THIRD WEEK,
SUNDAY, JUNE 6TH TO SATURDAY, JUNE 12TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the first four days of the week anticyclonic weather was experienced over the country generally. During the latter half of the period the weather was influenced by a depression off the west of Ireland, and showery conditions prevailed in most places, ending with a severe thunderstorm on Saturday. The mean temperature for the week was below the normal, the deficit being about 2 a in all the eastern districts. Maxima of 298 a were observed at several stations and generally occurred on the 12th. The screen minimum was as low as 272 a at Balmoral on the 7th and 8th and at Durham on the 8th, several other stations having a minimum only just above the freezing point, while on the grass the thermometer went down to 268 a at Rounton, Wisley and Phœnix Park. Rainfall was below the normal in Scotland and the east of England, many stations reporting nil on each of the seven days, but the remaining districts had an excess over the normal. The heavy thunderstorm which passed over England from south-east to north-west on Saturday was reported by no less than 24 of the stations of this report. The heaviest falls of rain were 42mm. at Hoylake, 37mm. at Richmond (Kew Observatory) and more than 25mm. in several places in the Midland Counties and England N.W. At Benson (Oxford) from 14h. 40m. to 14h. 50m. a fall of 10mm. was reported. Bright sunshine was abundant in most parts of the country, Scotland having the greatest excess above the normal, and records of 16 hours were obtained at Aberdeen, Gordon Castle and Crathes (Kincardine) on Wednesday. Solar halos were seen at Aberdeen on the 8th and Oxford on the 12th, and a sun-pillar at Seskin (Carrick-on-Suir), on the 10th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	12	1·8	4	1·8	6	3·6	10	1·7	12	1·8	22	3·9	15	3·2	21	2·3
North	13	4·4	10	2·3	15	1·9	9	1·9	10	2·1	4	1·4	4	1·9	0	0·0
West	8	2·7	0	—	3	1·1	0	—	3	1·0	3	2·0	2	3·5	2	4·0
East	18	3·6	18	3·1	20	5·1	20	3·8	20	4·0	23	4·0	21	4·4	18	5·6
Calm	1	—	10	—	2	—	5	—	4	—	0	—	5	—	7	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Moderate	Moderate	Moderate
	Rainfall ...	Nought	Light	Very light	Light	Heavy	Heavy	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy
	Sunshine ...	Very abundant	Very abundant	Abundant	Abundant	Moderate	Moderate	Very abundant	Abundant	Moderate	Abundant	Abundant	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 2 week from May 30th, 1920.	Warmth ...	0, 2, 0	0, 1, 1	1, 0, 1	1, 0, 1	0, 1, 1	0, 1, 1	0, 2, 0	0, 2, 0	0, 1, 1	0, 2, 0	0, 2, 0	0, 2, 0
	Rainfall ...	0, 1, 1	0, 1, 1	0, 0, 2	0, 0, 2	1, 0, 1	1, 0, 1	0, 2, 0	1, 0, 1	1, 0, 1	0, 1, 1	0, 1, 1	1, 0, 1
	Sunshine ...	1, 0, 1	1, 0, 1	1, 1, 0	1, 0, 1	0, 2, 0	0, 2, 0	1, 0, 1	1, 1, 0	1, 1, 0	1, 0, 1	1, 1, 0	1, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(28940—19) Wt. 24—561/P 25 500 6/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.			
		Highest	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																					
a, Islands ..	54	54	8th	37	11th	50·3	46·6	45·1	- 2·8	0	0·00	0	- 8								
p Deerness, Orkney ..	105	53	12th	39	7th	51·6	42·9	47·0	—	0	0·00	0	- 8	Deerness ..	8·5	+ 2·8	47	•	•	•	•	•	•
a Stornoway	51	68	12th	39	7th	60·7	44·3	51·9	+ 1·3	0	0·00	0	- 11	Stornoway ..	13·5	+ 7·1	76	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	67	12th	45	6th	60·6	49·9	54·9	—	1	0·04	1	—	Castlebay ..	13·7	—	78	•	•	•	•	•	•
b, Mainland. a Wick	81	52	9,12	42	6,7	50·3	44·4	47·1	- 2·9	0	0·00	0	- 8								
a Strathpeffer	125	68	12th	36	8th	61·7	40·3	50·3	- 2·5	0	0·00	0	- 8								
p Glencarron	500	71	9,10	38	6th	66·0	40·4	52·3	+ 0·9	0	0·00	0	- 19								
a Fort Augustus.. ..	85	71	12th	38	9th	60·7	43·9	51·7	- 0·5	0	0·00	0	- 10								
p Fort William	171	75	9th	40	7th	68·9	45·1	56·2	+ 2·6	0	0·00	0	- 16								
1. SCOTLAND, E.																					
a Nairn	82	72	12th	36	10th	59·9	39·4	48·9	- 3·4	0	0·00	0	- 8	Nairn	11·9	—	67	•	•	•	•	•	•
p Gordon Castle	101	67	12th	38	8, 9	59·3	41·3	49·7	- 3·0	1	0·01	0	- 9	Gordon Castle..	9·7	—	55	•	•	•	•	•	•
a Aberdeen	46	69	9th	37	8th	55·6	43·3	49·0	- 2·8	1	0·02	0·4	- 8	Aberdeen ..	8·6	+ 2·3	49	1	30	•	•	49·4	+0·4
a Balmoral	930	69	9th	30	7, 8	58·9	35·3	46·3	- 4·3	1	0·01	0	- 9	Balmoral ..	•	•	•	4	24	•	•	•	•
p Crieff	432	67	9th	38	9th	60·0	41·7	50·2	- 3·7	0	0·00	0	- 11	Crathes	8·5	+ 2·5	48	3	27	54·7	+ 0·7	51·0	+1·2
a Dundee	244	63	12th	35	9th	57·7	39·3	47·9	- 5·5	0	0·00	0	- 8	Dundee	7·5	—	43	2	30	55·4	•	•	•
a Leith	30	59	6, 9	43	10, 11	57·1	45·0	50·6	- 3·3	1	0·01	0·3	- 8	Leith	•	•	•	0	39	•	•	•	•
p Edinburgh	441	61	9th	39	10th	57·1	42·4	49·2	- 3·0	1	0·01	0·2	- 8	Edinburgh	8·2	+ 2·1	48	0	32	•	•	•	•
a West Linton	769	66	8th	34	9th	59·9	39·1	48·8	- 1·7	1	0·03	1	—	West Linton ..	8·3	—	48	1	30	•	•	•	•
p Marchmont	498	63	9th	36	9th	59·0	41·6	49·7	- 2·3	0	0·00	0	- 10	Marchmont ..	?	?	?	•	•	•	•	•	•
6. a, SCOTLAND, W.																					
a Ford (Argyll)	149	71	9th	39	6, 7	64·8	44·1	53·7	—	1	0·10	3	—	Ford (Argyll) ..	•	•	•	0	32	57·7	—	51·1	—
p Glasgow Observatory	180	69	9th	44	6, 9	63·0	45·7	53·8	- 0·6	1	0·03	1	- 10	Glasgow.. ..	11·3	+ 5·7	66	0	36	•	•	•	•
p Rothesay	200	65	9-11	43	6, 10, 11	62·9	44·3	53·0	- 1·3	1	0·05	1	- 12	Rothesay ..	10·6	—	62	0	39	57·1	—	51·7	+0·3
a Kilmarnock	90	73	9th	43	9, 11	67·6	45·1	55·6	+ 2·0	1	0·12	3	- 7	Kilmarnock ..	9·8	—	57	•	•	57·7	—	50·8	—
a Colmonell	170	72	12th	39	9th	64·3	44·1	53·5	+ 0·3	2	0·47	12	+ 1	Colmonell ..	•	•	•	0	38	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries	9·6	—	56	0	33	56·6	-1·1	51·9	-1·9
) Dumfries	180	69	12th	39	8, 9	63·4	41·9	51·9	- 3·2	2	0·11	3	- 7	Eskdalemuir ..	8·3	—	48	2	30	•	•	•	•
a Eskdalemuir	794	65	9, 12	35	8th	60·3	39·3	49·1	—	1	0·13	3	—										
b, I.OF MAN p Douglas	277	65	12th	43	6-8	60·1	46·4	52·8	- 1·1	2	1·47	37	+ 27	Douglas	9·6	+ 1·9	55	0	36	•	•	•	•
2. ENGLAND, N.E.																					
a Alnwick Castle ..	210	60	12th	33	8th	56·3	41·0	48·1	- 4·4	1	0·01	0·2	- 12								
a Tynemouth	118	57	12th	41	8th	54·1	44·6	49·0	- 3·3	1	0·01	0·3	- 11	Cockle Park ..	7·5	+ 1·7	44	2	30	53·1	-2·0	50·8	-0·3
p Durham	336	64	12th	31	8th	56·9	39·7	47·7	- 4·5	1	0·02	1	- 9	Durham	6·7	+ 1·2	39	3	24	•	•	•	•
a North .. p Rounton	249	73	12th	32	8th	60·3	40·6	49·8	- 3·0	1	0·07	2	- 11	Rounton	•	•	•	4	23	54·3	•	•	•
a West Witton	605	69	12th	34	8th	62·6	39·1	50·0	—	2	0·11	3	—	West Witton ..	•	•	•	0	32	55·5	—	50·3	—
p Scarborough	100	61	12th	43	6-8	57·6	46·0	51·4	- 2·2	0	0·00	0	- 10	Scarborough† ..	8·5	+ 2·7	50	•	•	•	•	54·3	—
p York	56	73	12th	37	6th	61·9	43·0	51·8	- 3·7	0	0·00	0	- 11	York	7·5	+ 1·9	45	—	—	54·8	-0·7	52·1	+0·4
a Spurn Head	26	61	12th	42	6, 8	56·1	45·4	50·4	- 3·5	0	0·00	0	- 8	Spurn Head ..	•	•	•	•	•	•	•	•	•
b, South .. a Lincoln	68	76	12th	38	6th	64·1	45·4	54·1	- 2·1	0	0·00	0	- 11	Lincoln	•	•	•	0	37	55·3	-2·4	52·8	+0·7
a Fulbeck	180	75	12th	31	6th	63·6	42·0	52·1	- 3·5	2	0·09	2	- 9	Fulbeck	8·1	+ 1·7	49	•	•	—	—	—	—
														Skegness ..	10·2	+ 3·4	62	•	•	•	•	•	•
3. ENGLAND, E.																					
p Cromer	196	71	12th	42	6, 8, 9	60·1	44·9	52·0	- 2·6	0	0·00	0	- 12	Cromer	7·9	+ 1·6	48	•	•	•	•	•	•
a Little Massingham ..	280	77	12th	36	9th	62·7	41·3	51·3	- 4·4	0	0·00	0	- 13	Lit. Massingham	10·6	+ 4·3	64	•	•	•	•	•	•
a Yarmouth	13	65	12th	41	8th	59·1	46·7	52·5	- 2·4	0	0·00	0	- 12	Yarmouth ..	8·6	—	52	0	41	55·9	-4·6	54·1	-1·7
a Norwich	93	77	12th	35	9th	63·1	43·9	52·8	- 3·2	1	0·08	2	- 11	Norwich ..	9·3	—	56	0	31	58·1	•	•	•
a Geldeston	37	75	12th	35	9th	63·6	42·4	52·3	- 3·1	1	0·02	0·4	- 12	Geldeston ..	8·3	+ 1·5	51	•	•	•	•	•	•
p Cambridge	41	77	12th	36	8th	64·6	39·9	51·4	- 5·2	1	0·11	3	- 11	Cambridge ..	9·8	+ 3·3	60	1	29	59·1	-0·1	56·3	+1·5
a Clacton-on-Sea ..	54	67	12th	39	7th	60·0	47·3	53·2	- 2·4	1	0·03	1	- 9	Clacton	8·4	+ 1·2	51	0	36	56·6	-1·4	55·8	+0·8
a Rothamsted	424	72	12th	35	7th	62·3	41·3	51·1	- 4·4	4	0·62	16	+ 1	Rothamsted ..	9·0	+ 2·6	55	4	24	56·4	•	•	•
p Tottenham	61	75	12th	44	7, 8	64·0	47·0	54·9	—	3	0·65	17	—	Tottenham ..	8·0	—	49	0	40	•	•	57·4	+1·8
														S'thend-on-Sea	7·8	—	48	0	38	59·4	-1·1	—	—
4. MIDLAND COUNTIES.																					
a Harrogate	479	71	12th	34	8, 9	60·6	40·0	49·6	- 4·3	1	0·06	2	- 13	Harrogate	7·0	+ 0·7	42	2	28	52·1	-1·4	51·4	+0·1
a North .. p Sheffield	439	71	12th	38	6th	60·7	43·6	51·6	—	2	0·61	16	—	Sheffield.. ..	5·3	+ 0·3	32	0	32	54·1	-0·8	51·1	+1·2
p Buxton	987	68	12th	33	6th	59·0	40·9	49·3	—	2	0·49	13	- 7	Buxton	6·2	—	37	1	30	54·0	-0·9	50·0	+0·7
a Worksop	56	76	12th	33	8, 9	65·7	40·1	52·0	- 3·7	2	0·31	8	- 4	Worksop	7·1	+ 1·7	43	4	27	56·3	—	53·6	—
a Nottingham	82	75	12th	37	8, 9	62·7	41·6	51·4	- 4·8	2	0·24	6	- 6	Nottingham ..	7·9	+ 1·9	47	1	28	55·6	-2·3	53·6	+0·8
b, East .. p Birmingham, Edgbsn.	535	66	12th	41	9th	62·1	45·3	53·1	- 2·9	3	1·51	38	+ 24	Birmingham ..	5·1	+ 0·2	31	0	33	51·7	-1·1	49·8	+0·7
a Raunds	203	77	12th	33	6th	65·1	39·1	51·2	- 5·3	2	0·23	6	- 6	Raunds	8·2	—	50	4	25	58·2	—	52·9	—
) Oxford	208	67	11th	39	9th	63·1	44·6	53·2	- 3·8	3	1·45	37	+ 23	Oxford	7·1	+ 0·7	43	0	32	•	•	•	•
														Malvern ..	7·0	—	43	—	—	58·8	—	56·0	—
a Cheadle (N. Staffs.) ..	646	68	12th	36	6th	60·9	41·9	50·7	- 3·9	2	1·44	37	+ 21	Cheadle	•	•	•	0	37	•	•	•	•
c, West .. p Tenbury	313	68	11th	35	6th	64·1	43·3	53·0	- 2·6	3	1·01	26	+ 14	Tenbury	•	•	•	0	31	58·9	—	—	—
a Hereford	291	65	9-12	35	6th	63·1	39·7	50·6	- 5·9	3	1·02	26	+ 13	Ross-on-Wye ..	6·9	—	42	0	33	—	—	—	—
a Clifton	226	68	6, 9, 10	43	9th	65·6	48·3	56·4	- 1·8	3	1·14	29	+ 11	Clifton	7·1	—	44	0	42	•	•	•	•
5. ENGLAND, S.E.																					
a Marlborough	424	66	9, 11	35	9, 10	63·7	41·7	51·9	- 3·4	4	0·70	18	+ 1	Worthing	9·3	+ 1·9	57	0	39	59·9	-0·7	56·2	+1·0
p Wilton Ho.*	180	67	9, 11	39	8th	64·3	45·1	54·0	- 3·0	3	1·31	33	+ 16	Marlborough ..	6·5	+ 0·7	40	1	29	58·3	—	53·5	—
a Wisley, Surrey ..	150	71	12th	36	6, 9	65·9	42·3	53·3	- 3·4	3	0·93	24	+ 11	Wilton Ho. ..	•	•	•	0	32	60·6	•	•	•
a Tunbridge Wells ..	354	74	12th	36	6, 7	63·9	43·1	52·8	- 3·7	3	0·79	20	+ 5	Wisley	8·5	+ 1·8	52	4	33	58·4	-0·5	55·2	+0·7
a Margate	51	70	11, 12	47	6th	60·9	50·6	55·4	- 1·4	1	0·06	1	- 12	Tunbridge Wells	7·5	+ 0·8	46	3	27	57·7	-3·1	55·0	—
														Margate	7·0	+ 0·6	43	0	43	59·4	+1·2	58·0	+3·8
a Dungeness	21	68	12th	33	7th	60·6	41·9	50·6	- 5·5	1	0·12	3	- 8	Folkestone ..	8·1	—	50	•	•	•	•	52·0	—
p St. Leonards	178	71	12th	43	6th	61·7	47·6	54·2	- 2·4	4	0·70	18	+ 5	St. Leonards ..	8·7	+ 1·4	54	0	36	58·6	—	56·0	—
p Southampton	64	66	11th	39	6th	63·1	47·7	54·9	- 3·5	4	1·19	30	+ 15	Southampton ..	7·4	+ 0·5	45	0	33	•	•	•	•
a Ventnor	59	65	11th	47	6th	60·9	50·9	55·6	- 1·8	4	1·09	28	+ 14	Ventnor	7·3	+ 0·4	45	•	•	•	•	•	•
LONDON, a Richmond Kew Obs.)	18	70	12th	40	6, 7	63·8	45·8	54·2	- 3·5	3	1·54	39	+ 23	Richmond ..	7·7	+ 1·3	47	3	29	57·6	-0·8	55·0	+1·4
a Westminster	27	76	12th	41	7th	65·0	47·4	55·6	- 2·7	3	0·52	13	- 1	Westminster ..	7·4	+ 1·8	45	0	32	•	•	•	•
ag Greenwich	149	76	12th	36	7th	65·9	43·7	54·0	- 3·1	3	0·73	19	+ 8	Greenwich ..	7·7	+ 1·3	47	4	25	•	•	•	•
a Hampstead	450	71	12th	39	6th	62·3	44·9	53·0	—	3	0·57	14	—	Hampstead ..	8·1	—	50	—	—	•	•	•	•
ag Camden Square ..	110	78	12th	41	6, 7, 9	68·7	45·4	56·2	- 3·2	3	0·62	16	+ 1	Camden Square	—	—	—	0	36	•	•	•	•
7. a, ENGLAND, N.W.																					
p Aspatria (Mealsgate)	487	70	12th	37	10th	62·3	42·7	51·8	- 2·5	1	0·04	1	- 10	Aspatria.. ..	9·5	+ 2·5	56	0	36	54·9	-1·7	50·8	0·0
p Newton Rigg	559	72	12th	37	8, 9	61·0	40·9	50·3	- 3·6	1	0·03	1	- 9	Newton Rigg ..	10·1	+ 3·0	60	0	33	56·3	+0·2	51·8	+1·1
p Stonyhurst	375	71	12th	40	6th	62·9	45·9	53·8	- 0·9	2	0·35	9	- 4	Stonyhurst ..	7·7	+ 1·2	46	0	35	•	•	•	•
p Blackpool	66	70	12th	40	6, 10	63·6	43·1	52·6	- 2·3	2	0·72	18	+ 9	Blackpool ..	7·5	- 0·3	45	0	31	55·9	—	51·5	—
a Southport	37	68	12th	39	9th	63·9	43·6	53·0	- 2·3	2	1·15	29	+ 20	Southport ..	8·0	+ 0·4	48	0	33	58·4	-1·0	57·1	+1·7
														Hoylake ..	8·5	+ 1·5	51	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	69	12th	43	6th	64·4	46·9	55·0	- 0·9	2	1·34	34	+ 25	Liverpool ..	8·5	—	51	0	39	•	•	•	•
a Hawarden Bridge ..	22	68	12th	43	6th	65·0	48·3	56·1	- 0·4	2	1·28	33	+ 25	Manchester(City)	6·5	+ 0·7	39	0	39	56·4	-0·6	54·7	+1·5
p Manchester (Whit. Pk.)	125	72	12th	39	6th	64·1	45·1	53·9	- 2·9	2	0·33	8	- 3	Whitworth Park	7·4	+ 1·8	44	•	•	•	•	•	•
b NORTH WALES.																					
p Llandudno	16	66	9th	42	6th	63·9	47·6	55·2	- 0·7	3	1·21	31	+ 22	Llandudno ..	9·0	+ 1·4	54	•	•	•	•	•	•
a Holyhead	15	66	9, 12	47	6, 7	63·4	48·6	56·5	+ 1·0	3	1·30	33	+ 24	Holyhead ..	7·5	—	45	0	37	•	•	•	•
a Aberdovey	22	66	8th	45	10th	63·7	50·0	56·4	—	2	0·79	20	—	Aberdovey ..	7·4	+ 0·4	45	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
c. a. SOUTH WALES.																						
a Aberystwyth	59	66	9th	43	6th	62·4	48·6	55·0	—	2	0·94	24	—	Aberystwyth ..	7·4	+ 1·0	45	•	•	•	•	•	•
a Rhayader	757	63	6, 7, 8	33	6th	61·4	40·9	50·4	—	3	1·63	41	—	Rhayader ..	5·1	—	31	4	24	•	•	•	•
a St. Ann's Head ..	149	61	10, 11, 12	48	6, 7	60·3	50·6	55·1	+ 0·2	3	0·33	8	— 4	St. Ann's Head ..	7·9	+ 0·7	49	•	•	•	•	•	•
p Cardiff	202	67	7th	42	6th	63·3	46·6	54·4	- 2·3	4	0·77	20	+ 5	Cardiff	7·5	—	46	0	39	60·8	+1·5	54·9	+0·9
b. ENGLAND, S.W.																						
a Bath	66	67	9th	41	9th	64·4	46·4	54·8	- 2·3	3	1·10	28	+ 15	Bath	6·1	- 0·7	37	—	—	60·1	+0·6	56·6	+1·4
a Shaftesbury	723	64	6th	39	9th	61·1	44·9	52·4	- 3·2	3	1·03	26	+ 13	Shaftesbury ..	•	•	•	•	•	57·8	—	54·8	—
a Arlington	613	65	6th	40	7th	62·4	46·5	53·9	- 1·1	3	0·44	11	- 8										
a Newquay	190	63	7th	48	8th	61·1	50·1	55·2	- 0·8	4	0·29	7	- 4	Newquay ..	8·8	+ 1·6	54	—	—	60·5	—	55·2	—
a Cullompton	202	69	7th	39	8th	65·4	45·9	55·0	- 1·9	4	0·66	17	+ 4	Cullompton ..	5·5	- 0·9	34	0	34	60·6	•	•	•
a Portland Bill	19	60	6, 7, 11	45	6th	59·1	49·0	53·7	- 2·4	4	0·63	16	+ 8	Weymouth ..	7·4	—	45	•	•	•	•	•	•
p Plymouth	116	64	7, 10–12	44	6th	62·7	49·9	55·9	- 1·4	3	0·31	8	- 4	Plymouth ..	7·9	+ 0·9	49	0	40	62·0	+2·5	56·9	—
a Falmouth	167	68	6th	49	6th	62·3	51·4	56·5	0·0	3	0·27	7	- 6	Falmouth ..	9·2	+ 1·8	57	0	41	62·6	—	59·2	—
9. IRELAND, N.																						
a West .. a Mallarany	120	69	8th	42	6th	65·7	47·6	56·0	—	3	0·63	16	—	Mallarany ..	5·5	—	33	0	34	—	—	—	—
a Malin Head	208	62	8th	46	6, 7	58·4	47·9	52·8	- 0·4	2	0·12	3	- 7	Malin Head ..	10·3	—	60	•	•	•	•	•	•
a Blacksod Point ..	37	67	8th	40	7th	63·3	48·3	55·3	+ 0·7	2	1·14	29	+ 15	Markree Castle	8·2	+ 2·3	49	0	31	58·9	+1·3	52·5	+0·1
p Markree Castle ..	122	70	7th	35	6, 7	64·0	44·6	53·6	- 0·3	2	0·89	23	+ 9										
b. East .. p Armagh	196	66	8th	39	6th	63·0	44·0	52·8	- 1·7	3	1·31	33	+ 21	Armagh	9·8	+ 3·9	58	1	27	57·4	+0·6	53·2	+0·5
a Donaghadee	39	61	9, 12	41	6, 7	58·3	45·3	51·4	- 2·4	2	0·87	22	+ 10										
10. IRELAND, S.																						
p Dublin, City	47	66	8th	46	6, 7	62·3	49·0	55·2	- 1·4	3	0·78	20	+ 10	Trinity Coll. ..	8·3	•	50	0	38	58·5	+1·4	54·6	+1·2
a Birr Castle	175	70	7th	39	6th	65·4	47·4	55·8	+ 0·6	2	0·20	5	- 7	Phœnix Park ..	8·3	+ 1·7	50	4	23	•	•	•	•
a Kilkenny	195	69	6th	43	6th	61·9	48·0	54·5	- 1·0	3	0·27	7	- 5	Dublin City ..	•	•	•	0	40	•	•	•	•
a Waterford	137	69	6th	44	7th	63·9	47·6	55·2	- 1·0	2	0·38	10	- 3	Birr Castle ..	9·3	+ 3·5	56	1	30	•	•	•	•
p Seskin, Carrick-on-Suir	535	71	6th	45	7, 10	63·0	47·3	54·6	—	3	0·78	20	—	Seskin	8·6	—	52	0	32	•	•	•	•
a Cahir	199	70	6th	38	7th	64·4	44·4	53·7	- 1·9	4	0·81	21	—										
a Foynes	50	70	7th	44	7th	64·4	46·9	55·0	- 1·0	2	0·85	22	+ 9										
a Cahirciveen (Val. Obs.)	30	64	7th	43	6, 7	61·3	48·1	54·2	- 1·4	4	0·83	21	+ 4	Cahirciveen ..	7·0	+ 0·4	43	0	36	•	•	•	•
a Killarney	174	74	6th	42	6th	64·4	49·4	56·4	+ 0·5	5	0·63	16	+ 1	Ballinacurra ..	8·9	+ 2·2	54	•	•	•	•	•	•
a Roche's Point	32	67	6th	46	7th	60·7	51·3	55·7	—	5	0·92	23	+ 9										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	62	6, 7, 11	51	6th	60·6	52·4	56·2	+ 0·2	4	0·40	10	- 2	Scilly	9·2	+ 2·0	57	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	66	9th	40	6th	63·0	49·9	56·0	- 1·6	4	1·06	27	+ 13	St. Heliers ..	7·5	+ 0·1	48	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	67	9th	45	6th	64·1	50·7	56·9	- 0·3	4	0·67	17	+ 5	Guernsey† ..	7·5	0·0	47	0	36	59·3	-0·8	57·0	+0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 12th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time. day.	hr.	Highest Gust. Speed.	Date d.	h.	m
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	9	1	68	91	8	0	330	12	6	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	76	15*	—	—	—	—	—	110	58	0	360	5	6	13	13	6	12	30
Aberdeen (Cup Anr.)¶..	20	72	12	—	—	—	—	11	139	18	0	300	8	6	4	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	11	98	59	0	40	7	12	15	13	11	15	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	11, 12	9	42	85	32	0	90	14	11	15	19	11	14	50
Paisley	188	81	15	—	—	—	—	53	104	11	0	80	11	11	14	22	11	13	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	3	92	73	0	120	6	11	11	10	11	10	50
South Shields	72	81	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	12	1	70	89	8	0	70	11	12	16	23	12	16	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	28	87	53	0	110	8	11	3	12	10	16	55
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	28	67	73	0	—	9	9	24	15	12	18	10
S. Farnboro' (Pyestk Tr)	443	152	†	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	24	108	36	0	80	8	9	13	12	9	13	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	11	3	47	116	2	0	110	12	11	8	—	—	—	—
Southport	80	62	48	—	—	11	4	50	112	2	0	90	12	11	7	19	11	6	40
Holyhead	60	40	††	—	—	11	8	36	90	34	0	100	15	11	7	18	11	6	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	8 to 10, 12	38	72	44	14	0	130	15	10	23	20	10	22	50
Plymouth	185	88	2	—	—	—	—	81	56	31	0	—	10	10	24	16	11	1	25
Lyme Regis	556	61	††	—	—	—	—	10	12	146	0	—	10	11	3	14	11	2	30
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	10, 11	10	43	72	43	0	80	16	11	7	—	—	—	—
Quilty	100	40	††	—	—	10, 12	7	88	46	27	0	—	12	10	20	17	11	19	5
Cahirciveen (Val Obs.)	98	41	††	—	—	10, 12	4	57	86	21	0	100	12	10	31	20	12	11	5
Weaver Pt.	160	30	††	—	—	9 to 12	43	77	46	2	0	—	15	12	10	21	12	11	30
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	12	1	74	61	29	3	140	11	12	11	16	11	18	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-THIRD WEEK of 1920—June 6th to June 12th 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	75	36	88·4	78·9	83·4	− 0·3	61	− 6	0	0	0	− 3	0·00	0	− 12	11·0	+5·4	61	1018
Eastern.																			
1. SCOTLAND, EAST ...	72	30	87·8	77·9	82·5	− 1·8	55	− 20	3	+ 3	1	− 2	0·01	0	− 9	9·0	+2·9	51	1018
2. ENGLAND, N.E.	76	31	88·0	79·2	83·3	− 1·8	60	− 22	0	0	1	− 2	0·02	1	− 10	8·1	+2·0	48	1017
3. ENGLAND, EAST ...	77	35	89·8	79·6	84·3	− 2·0	73	− 24	0	0	1	− 2	0·17	4	− 9	8·8	+2·2	54	1016
4. MIDLAND COUNTIES ...	77	33	90·4	78·8	84·2	− 2·1	71	− 26	0	0	2	− 1	0·84	21	+ 7	6·7	+0·6	40	1015
5. ENGLAND, S.E.	74	33	90·2	80·6	85·1	− 1·7	82	− 22	0	0	3	0	0·84	21	+ 7	7·8	+0·9	48	1014
Western.																			
6. SCOTLAND, WEST ...	73	39	90·6	79·9	84·9	− 0·4	81	− 7	0	0	1	− 2	0·34	9	− 3	10·5	+3·8	61	1017
7. ENGLAND, N.W.	72	37	90·4	80·5	85·1	− 0·7	83	− 8	0	0	2	− 1	0·76	19	+ 9	8·6	+1·7	51	1014
8. ENGLAND, S.W.	69	33	89·8	81·4	85·3	− 1·1	85	− 14	0	0	3	0	0·72	18	+ 4	7·2	+0·5	44	1013
9. IRELAND, NORTH ...	70	35	89·7	80·9	85·0	− 0·3	81	− 4	0	0	2	− 1	0·76	19	+ 6	9·0	+3·1	53	1013
10. IRELAND, SOUTH ...	74	38	90·3	81·9	85·8	− 0·4	92	− 5	0	0	3	0	0·63	16	+ 2	8·4	+2·0	51	1011
11. ENGLISH CHANNEL ...	67	40	90·0	83·6	86·6	− 0·2	101	− 2	0	0	4	+ 1	0·71	18	+ 5	8·1	+0·7	50	1012

THE SEASON (Summer).—Aggregates, &c., for the Period of 2 Week, May 30th to June 12th, 1920.

0. SCOTLAND, NORTH ...	75	36	86·9	79·7	83·1	− 0·4	114	− 13	0	− 1	3	− 4	0·59	15	− 12	6·8	+1·2	38	1019
Eastern.																			
1. SCOTLAND, EAST ...	72	30	87·5	79·2	83·0	− 1·1	117	− 25	3	+ 2	4	− 2	0·35	9	− 13	6·6	+0·3	38	1019
2. ENGLAND, N.E.	76	31	88·8	80·9	84·5	− ·	150	− 10	0	0	3	− 3	0·15	4	− 18	7·1	+0·9	43	1019
3. ENGLAND, EAST ...	77	35	90·1	81·3	85·4	− 0·7	172	− 17	0	0	3	− 3	0·32	8	− 15	7·2	+0·3	44	1019
4. MIDLAND COUNTIES ...	77	32	90·6	80·4	85·2	− 0·8	166	− 21	0	0	4	− 2	0·92	23	− 3	6·4	+0·2	39	1019
5. ENGLAND, S.E.	78	33	90·8	81·7	86·0	− 0·5	186	− 15	0	0	4	− 2	0·88	22	− 2	7·5	+0·3	47	1018
Western.																			
6. SCOTLAND, WEST ...	73	36	89·2	80·8	84·7	− 0·3	155	− 9	0	0	4	− 3	0·74	19	− 10	7·9	+1·3	47	1019
7. ENGLAND, N.W.	73	35	89·4	81·4	85·1	− 0·4	165	− 9	0	0	5	− 1	0·96	24	0	7·4	+0·6	44	1019
8. ENGLAND, S.W.	75	33	90·1	81.9	85·8	− 0·2	181	− 8	0	0	4	− 2	0·76	19	− 6	7·7	+0·9	48	1019
9. IRELAND, NORTH ...	70	35	89·0	80·9	84·6	− 0·4	152	− 10	0	0	5	− 2	0·94	24	− 4	7·1	+1·1	42	1018
10. IRELAND, SOUTH ...	74	35	90·4	82·1	85·9	+ 0·1	184	0	0	0	4	− 2	0·68	17	− 12	7·9	+1·5	48	1018
11. ENGLISH CHANNEL ...	68	40	89·7	83·9	86·6	0·0	203	+ 3	0	0	4	− 2	0·72	18	− 7	8·7	+1·0	54	1019

THE YEAR 1920.—Aggregates, &c., for the Period of 23 Weeks, January 4th to June 12th, 1920.

0. SCOTLAND, NORTH ...	78	19	82·2	76·1	79·1	+ 0·7	543	+ 34	387	−151	111	+ 4	30·90	783	+241	3·4	+0·1	28	1007
Eastern.																			
1. SCOTLAND, EAST ...	76	19	82·7	75·7	79·1	+ 0·7	600	+ 11	456	−161	100	+ 9	13·86	353	+ 51	3·9	+0·1	32	1008
2. ENGLAND, N.E.	79	24	84·0	77·0	80·4	+ 1·3	844	+189	280	−192	91	+ 8	12·26	313	+ 80	3·9	−0·1	32	1012
3. ENGLAND, EAST ...	84	20	85·3	77·3	81·2	+ 1·7	1044	+249	270	−224	81	0	8·61	221	− 8	4·3	0·0	36	1015
4. MIDLAND COUNTIES ...	82	20	85·4	77·2	81·0	+ 1·5	973	+154	263	−259	94	+14	14·58	369	+107	3·6	−0·2	29	1014
5. ENGLAND, S.E.	81	17	85·4	78·2	81·7	+ 1·5	1120	+248	166	−213	87	+ 8	10·65	272	+ 9	4·2	−0·2	34	1015
Western.																			
6. SCOTLAND WEST ...	79	22	83·2	77·1	80·1	+ 0·7	731	+ 53	269	−147	116	+19	24·01	612	+143	3·3	−0·5	27	1010
7. ENGLAND, N.W.	81	22	84·0	77·9	80·9	+ 1·2	866	+150	187	−195	104	+18	20·02	508	+179	3·5	−0·4	29	1012
8. ENGLAND, S.W.	78	17	84·7	78·4	81·5	+ 1·1	998	+151	131	−170	102	+16	18·36	464	+ 86	3·8	−0·5	31	1015
9. IRELAND, NORTH ...	77	23	83·9	77·2	80·4	+ 0·5	836	+ 98	241	− 99	118	+14	18·31	466	+ 88	3·5	−0·2	29	1009
10. IRELAND, SOUTH ...	78	22	84·8	78·2	81·4	+ 0·7	989	+ 80	145	−115	112	+19	20·48	518	+108	3·7	−0·4	31	1013
11. ENGLISH CHANNEL ...	75	29	85·3	80·4	82·8	+ 1·1	1260	+234	20	− 85	88	− 4	11·93	300	− 18	4·7	−0·3	39	1016
	°F	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: June 18th, 1920.

FOR OFFICIAL USE

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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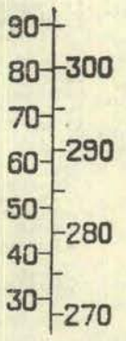
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 24.

TWENTY-FOURTH WEEK,
SUNDAY, JUNE 13TH TO SATURDAY, JUNE 19TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was persistently high to the northward of Scotland while a trough of low pressure extended from Ireland to the Gulf of Lyons. Small secondary disturbances in the latter system moved over our Islands from time to time. The winds were mostly light or moderate in force, and varied in direction from between S.W. and S.E. and E. In the north and north-east of Scotland the weather was uniformly fine, and the daily range of temperature exceptionally large. Elsewhere conditions were generally favourable for thunderstorms and there were heavy local falls of rain and hail. For example, on the 15th, 11mm. of precipitation, almost entirely hail, fell at Benson (Oxon) in 5½ minutes and 26mm. fell at Reading in 45 minutes; on the following day Benson was visited by another storm during which 10mm. fell in 7 minutes, while at York on the 18th there was a fall of 14mm. in 10 minutes, followed half an hour later by another of 20mm. in 20 minutes, with hail measuring ¾ inch in diameter. Mean temperature for the week was above the normal in all districts. The largest excess, 3·5 a being in Scotland North and Scotland West, and the smallest, 0·7 a in Ireland South. The highest maxima for the week were in most districts the highest since the end of May; readings of 300 a were reported at Nairn, Kilmarnock, Cambridge, Worksop and Manchester. In Scotland the nights were mostly very cool; at Balmoral on the 14th, 15th and 16th the thermometer in the screen went down to 275 a, with grass minima of 269, 270 and 271 a. The range between the mean maximum and the mean minimum at the last-named station was as much as 17·5 a (from 70·6° F. to 39·1 F.). Over the northern and north-eastern districts the records of bright sunshine were very large; at Baltasound in the Shetlands no less than 17·5 hours was recorded on the 14th. At Deerness the total for the week was 112 hours, giving a daily mean of 16·0 hours, or 87 per cent. of the possible duration. Solar halos were observed all over the southern half of England on at least one day in the week, on two or three occasions at some stations, and at Oxford on as many as six days.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	2·1	6	2·9	6	2·0	14	2·3	12	3·4	21	2·1	15	4·1	13	3·5
North	6	1·7	11	2·6	5	2·4	2	0·5	6	2·5	6	0·9	2	1·3	5	2·3
West	0	—	0	—	3	3·0	6	1·5	6	1·3	9	1·7	0	—	4	2·8
East	28	4·5	18	2·5	12	4·4	12	2·5	10	3·2	17	1·6	15	2·3	16	3·4
Calm	0	—	9	—	13	—	8	—	9	—	2	—	10	—	7	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Very unusual	Unusual	Very unusual	Unusual	Unusual	Unusual	Very unusual	Very unusual	Unusual	Unusual	Moderate	Unusual
Rainfall ...	Light	Moderate	Moderate	Moderate	Heavy	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Heavy
Sunshine ...	Very abundant	Very abundant	Very abundant	Abundant	Moderate	Moderate	Moderate	Scanty	Scanty	Scanty	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 3 week from May 30th, 1920. Warmth ...	1, 2, 0	1, 1, 1	2, 0, 1	2, 0, 1	1, 1, 1	1, 1, 1	1, 2, 0	1, 2, 0	1, 1, 1	1, 2, 0	0, 3, 0	1, 2, 0
Rainfall ...	0, 1, 2	0, 2, 1	0, 1, 2	0, 1, 2	2, 0, 1	1, 1, 1	0, 3, 0	2, 0, 1	2, 0, 1	0, 2, 1	0, 2, 1	2, 0, 1
Sunshine ...	2, 0, 1	2, 0, 1	2, 1, 0	2, 0, 1	0, 3, 0	0, 3, 0	1, 1, 1	1, 1, 1	1, 1, 1	1, 0, 2	1, 1, 0	1, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(29001—19) Wt. 24—561/P 25 500 6/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F		°F.	°F.	°F	°F.		in.	mm.	mm.
a, Islands .. a Lerwick	51	63	15th	44	13th	61·1	47·6	53·9	+ 5·3	0	0·00	0	− 10
p Deerness, Orkney	165	62	18th	45	13th	59·7	48·3	53·6	—	0	0·00	0	− 11
a Stornoway	31	73	14th	49	13, 17	69·0	51·1	59·4	+ 7·9	3	0·24	6	− 8
a Castlebay, Barra I.	57	70	14th	53	19th	65·1	55·9	60·2	—	3	0·68	17	—
b, Mainland. a Wick	81	59	18, 19	43	13th	56·9	47·9	52·1	+ 1·3	0	0·00	0	− 11
a Strathpeffer	125	77	17th	44	17th	72·6	46·0	58·4	+ 4·6	0	0·00	0	− 11
p Glencarron	500	76	17th	44	13th	73·1	50·0	60·8	+ 8·5	1	0·09	2	− 22
a Fort Augustus	68	79	15th	48	15, 18	73·3	49·9	60·8	+ 7·6	1	0·04	1	− 11
p Fort William	171	77	15–17	47	16th	75·9	52·4	63·3	+ 8·7	3	0·60	15	− 5
1. SCOTLAND, E.													
a Nairn	82	81	18th	43	13, 17	73·3	46·0	58·7	+ 5·6	1	0·02	0·4	− 11
p Gordon Castle	101	78	18th	41	16th	75·0	47·1	60·1	+ 6·7	0	0·00	0	− 12
a Aberdeen	46	66	15–18	44	17th	64·6	47·7	55·6	+ 3·1	0	0·00	0	− 10
a Balmoral	930	73	18th	35	16th	70·6	39·1	53·8	+ 2·3	0	0·00	0	− 12
p Crieff	432	74	19th	45	16th	69·4	47·4	57·6	+ 2·8	2	0·97	25	+ 9
a Dundee	244	70	15, 18	40	16th	67·6	46·9	56·5	+ 2·2	2	0·40	10	− 1
a Leith	30	76	14th	46	15th	65·3	51·1	57·7	+ 3·0	2	0·51	13	+ 3
p Edinburgh	441	76	17th	47	15th	67·9	49·1	57·9	+ 4·9	2	0·25	6	− 6
a West Linton	769	74	17th	41	16th	69·9	45·6	56·9	+ 5·6	2	0·73	19	—
p Marchmont	498	76	18th	45	16th	70·3	49·4	59·1	+ 6·3	1	0·06	2	− 12
6. a, SCOTLAND, W.													
a Ford (Argyll)	149	75	17th	49	16th	72·1	53·8	62·3	—	3	0·55	14	—
p Glasgow Observatory	180	75	18th	51	13, 15, 16	70·9	52·7	61·2	+ 6·3	3	0·51	13	− 2
p Rothesay	200	71	15, 17, 18	48	13th	67·9	50·3	58·5	+ 3·7	5	0·72	18	0
a Kilmarnock	90	80	17th	50	16th	74·1	52·3	62·4	+ 8·3	5	1·13	29	+ 15
a Colmonell	170	73	15th	52	16th	70·3	54·3	61·7	+ 8·2	5	0·81	21	+ 6
p Cally, Gatehouse	120	—	—	—	—	—	—	—	—	—	—	—	—
p Dumfries	160	77	17th	49	16th	71·7	51·3	60·8	+ 5·0	3	0·55	14	0
a Eskdalemuir	794	74	17th	43	16th	69·9	46·6	57·4	—	2	0·55	14	—
b, I. OF MAN p Douglas	277	72	17th	51	13th	66·6	52·7	59·2	+ 4·9	5	1·09	28	+ 14
2. ENGLAND, N.E.													
a North .. a Alnwick Castle	210	69	15, 19	41	16th	65·4	45·3	54·7	+ 1·5	1	0·07	2	− 9
a Tynemouth	118	65	18th	50	16th	62·9	51·7	56·9	+ 3·9	0	0·00	0	− 10
p Durham	336	74	17th	43	16th	70·3	46·7	57·7	+ 3·8	2	0·19	5	− 5
p Rounton	249	76	17, 18	42	16th	73·1	47·9	59·6	+ 6·1	2	0·54	14	+ 2
a West Witton	605	76	17, 18	45	16th	71·3	48·6	59·2	—	3	0·21	5	—
p Scarborough	100	67	16th	52	13, 16, 17	64·4	53·4	58·5	+ 4·2	0	0·00	0	− 10
p York	56	78	18th	48	16th	72·7	52·0	61·6	+ 5·4	3	1·54	39	+ 28
b, South .. a Spurn Head	26	67	19th	50	16th	62·7	52·6	57·3	+ 2·7	1	0·04	1	− 7
a Lincoln	58	79	17th	52	16th	73·1	54·7	63·3	+ 6·4	4	1·63	41	+ 30
a Fulbeck	180	77	17, 18	50	16th	71·1	53·1	61·5	+ 5·2	4	0·81	21	+ 11
3. ENGLAND, E.													
p Cromer	196	71	19th	50	19th	67·7	51·7	59·1	+ 4·8	2	0·30	8	− 3
a Little Massingham	280	78	18th	48	16th	71·0	51·0	60·3	+ 4·8	4	0·53	13	− 1
a Yarmouth	13	67	19th	54	19th	62·7	55·7	59·0	+ 4·2	2	0·71	18	+ 7
a Norwich	93	78	19th	51	19th	71·7	53·9	62·2	+ 6·5	2	0·76	19	+ 7
a Geldeston	37	78	19th	48	19th	71·1	52·6	61·2	+ 6·0	2	0·45	12	+ 1
p Cambridge	41	80	17th	46	19th	74·9	51·3	62·3	+ 5·9	3	0·11	3	− 10
a Clacton-on-Sea	54	68	18, 19	54	18th	65·9	56·3	60·8	+ 5·4	1	0·14	4	− 6
a Rothamsted	424	75	17th	45	14th	69·9	49·7	59·1	+ 3·8	4	0·42	11	− 2
p Tottenham	51	78	17th	47	14th	72·3	52·1	61·5	—	3	0·19	5	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	75	18th	46	16, 18	69·3	48·9	58·4	+ 4·5	4	0·93	24	+ 13
p Sheffield	429	77	17th	49	16th	69·7	52·3	60·4	—	3	2·15	55	—
p Buxton	987	72	17th	42	17th	66·1	48·6	56·7	—	4	1·66	42	+ 27
b, East .. a Worksop	56	81	17th	47	16, 18	73·4	50·6	61·2	+ 5·6	4	1·21	31	+ 22
a Nottingham	82	77	17th	49	19th	71·3	53·0	61·5	+ 5·4	5	1·54	39	+ 30
p Birmingham, Edgbsn.	535	76	17th	50	13, 16	69·3	52·4	60·3	+ 4·4	6	1·06	27	+ 16
a Raunds	203	—	—	—	—	—	—	—	—	—	—	—	—
p Oxford	208	76	17th	48	14, 15	70·7	51·6	60·5	+ 3·6	4	0·92	23	+ 12
c, West .. a Cheadle (N. Staffs.)	646	73	17th	50	16th	67·1	51·7	58·9	+ 4·4	5	1·46	37	+ 25
p Tenbury	313	75	17th	44	14th	69·7	48·6	58·4	+ 2·9	5	0·92	23	+ 12
a Hereford	291	67	17th	42	13th	65·1	47·7	55·8	− 0·5	7	1·65	42	+ 32
a Clifton	228	72	17th	51	13, 14	67·7	53·3	60·0	+ 2·0	5	0·77	20	+ 6
5. ENGLAND, S.E.													
a Marlborough	424	71	16–18	40	15th	67·7	48·3	57·3	+ 2·2	5	0·41	10	− 3
p Wilton Ho.*	180	72	16, 17	44	15th	67·4	50·6	58·4	+ 1·6	3	0·53	13	+ 1
a Wisley, Surrey	150	77	17th	46	14th	71·7	50·9	60·6	+ 4·1	3	0·29	7	− 3
a Tunbridge Wells	354	73	17th	48	14, 18	69·7	51·1	59·8	+ 3·5	2	0·04	1	− 10
a Margate	51	74	18th	52	14th	68·4	55·4	61·5	+ 4·9	2	0·07	2	− 8
a Dungeness	21	68	16th	44	18th	65·4	46·3	55·2	− 0·7	3	0·06	2	− 7
p St. Leonards	178	70	18th	53	13–15	67·1	54·4	60·3	+ 3·9	4	0·09	2	− 8
p Southampton	64	71	17th	49	13, 15	67·1	52·7	59·4	+ 1·2	3	0·30	8	− 3
a Ventnor	59	67	15, 16	51	13th	64·9	53·6	58·9	+ 1·8	3	0·24	6	− 4
LONDON. a Richmond (Kew Obs.)	18	75	16th	49	14th	71·9	52·9	61·7	+ 4·1	3	0·78	20	+ 8
a Westminster	27	77	17th	50	14th	73·0	54·4	63·1	+ 5·0	3	0·28	7	− 3
ag Greenwich	149	78	19th	46	14th	75·3	50·7	62·1	+ 3·4	4	0·34	9	− 3
a Hampstead	450	75	17th	50	14th	70·4	53·0	61·1	—	2	0·24	6	—
ag Camden Square	110	82	17th	49	14th	77·4	53·4	64·6	+ 5·3	3	0·34	9	− 2
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	75	17th	49	17th	70·3	51·0	60·0	+ 5·1	3	0·26	7	− 6
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	76	17th	49	16th	69·1	53·6	60·8	+ 5·6	3	1·07	27	+ 11
p Blackpool	66	76	17th	50	16th	70·0	53·7	61·3	+ 5·9	4	0·73	19	+ 8
a Southport	37	73	16–18	49	16th	70·1	53·1	61·0	+ 5·2	4	0·65	17	+ 6
a Liverpool (Bidston)	188	71	16, 18	51	16th	68·1	53·7	60·4	+ 4·0	6	1·57	40	+ 29
a Hawarden Bridge	22	77	17th	50	15th	70·9	52·9	61·3	+ 4·3	6	1·04	26	+ 16
p Manchester (Whit. Pk.)	125	80	17th	52	16, 17	71·6	54·3	62·4	+ 5·1	4	1·37	35	+ 21
b, NORTH WALES.													
p Llandudno	16	69	17th	49	15th	65·6	52·7	58·7	+ 2·3	5	1·33	34	+ 23
a Holyhead	15	69	17th	51	15th	63·9	52·7	57·9	+ 3·0	7	1·22	31	+ 20
a Aberdovey	22	71	16, 17	53	15th	67·9	55·1	61·1	—	7	0·94	24	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	hr.	hr	%	°F.	°F.	°F.	°F.	°F	°F.
Deerness	16·0	+10·2	87	•	•	•	•	•	•
Stornoway	12·5	+ 6·0	70	•	•	•	•	•	•
Castlebay	8·6	—	49	•	•	•	•	•	•
Nairn	12·4	—	69	•	•	•	•	•	•
Gordon Castle	14·9	—	83	•	•	•	•	•	•
Aberdeen	13·0	+ 6·6	74	0	39	•	•	50·6	+0·6
Balmoral	•	•	•	3	24	•	•	•	•
Crathes	13·5	+ 7·3	76	0	34	57·8	+ 2·7	51·9	+1·0
Dundee	11·8	—	67	0	35	56·9	•	•	•
Leith	•	•	•	0	47	•	•	•	•
Edinburgh	10·1	+ 3·7	58	0	41	•	•	•	•
West Linton	10·6	—	61	0	36	•	•	•	•
Marchmont	11·7	+ 5·2	67	•	•	•	•	•	•
Ford (Argyll)	•	•	•	0	43	59·2	—	52·3	—
Glasgow	8·3	+ 2·4	47	0	46	•	•	•	•
Rothesay	7·5	—	43	0	45	57·1	—	52·3	+0·1
Kilmarnock	6·9	—	40	•	•	59·1	—	52·0	—
Colmonell	•	•	•	0	46	•	•	•	•
Dumfries	6·9	—	40	0	39	58·6	−0·5	53·0	−2·1
Eskdalemuir	10·1	—	58	0	35	•	•	•	•
Douglas	5·6	− 2·2	33	0	46	•	•	•	•
Cockle Park	11·9	+ 5·9	69	—	—	55·0	−1·0	52·2	0·0
Durham	11·8	+ 5·9	69	0	32	•	•	•	•
Rounton	•	•	•	1	30	57·7	•	•	•
West Witton	•	•	•	0	40	58·1	—	50·9	—
Scarborough†	12·5	+ 6·5	73	•	•	•	•	56·2	—
York	8·7	+ 2·7	51	—	—	58·4	+1·8	53·1	+0·5
Spurn Head	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	0	51	59·7	+0·9	53·7	+0·4
Fulbeck	8·9	+ 2·2	53	•	•	—	—	—	—
Skegness	8·9	+ 1·7	53	•	•	•	•	•	•
Cromer	8·7	+ 2·4	52	•	•	•	•	•	•
Lit. Massingham	8·7	+ 2·4	52	•	•	•	•	•	•
Yarmouth	9·3	—	56	0	48	59·9	−1·7	55·1	−1·8
Norwich	8·6	—	51	0	46	63·4	•	•	•
Geldeston	9·0	+ 2·2	54	•	•	•	•	•	•
Cambridge	8·9	+ 2·3	53	0	41	63·2	+3·1	56·9	+1·1
Clacton	9·4	+ 2·2	57	0	49	61·5	+2·8	56·6	+0·7
Rothamsted	8·6	+ 2·2	52	0	34	58·8	•	•	•
Tottenham	7·7	—	47	0	45	•	•	58·0	+1·2
S'thend-on-Sea	8·7	—	53	0	46	63·6	+2·7	—	—
Harrogate	8·8	+ 2·1	52	0	39	55·0	+0·4	52·2	−0·2
Sheffield	6·6	+ 0·8	39	0	45	57·1	+1·2	51·6	+0·7
Buxton	7·2	—	43	0	40	57·8	+1·8	51·2	+0·9
Worksop	7·6	+ 2·0	45	0	42	59·9	—	54·5	—
Nottingham	7·9	+ 1·8	47	0	43	61·9	+3·1	54·5	+0·5
Birmingham	4·3	− 1·9	26	0	41	55·3	+1·7	50·2	+0·3
Raunds	—	—	—	—	—	—	—	—	—
Oxford	6·2	− 0·5	38	0	41	•	•	•	•
Malvern	4·8	—	29	0	43	60·7	—	56·5	—
Cheadle	•	•	•	?	?	•	•	•	•
Tenbury	•	•	•	0	39	59·6	—	—	—
Ross-on-Wye	3·4	—	20	0	44	—	—	—	—
Clifton	4·6	—	28	0	49	•	•	•	•
Worthing	8·4	+ 0·8	51	0	48	63·0	+1·6	57·0	+0·8
Marlborough	3·5	− 2·6	21	0	36	59·8	—	54·3	—
Wilton Ho.	•	•	•	0	43	62·4	•	•	•
Wisley	7·2	+ 0·4	44	0	36	60·8	+1·0	55·8	+0·2
Tunbridge Wells	7·5	+ 0·8	46	0	40	60·6	−0·5	55·7	—
Margate	8·0	+ 1·5	48	0	46	64·6	+5·8	59·0	+3·6
Folkestone	8·6	—	53	•	•	•	•	52·0	—
St. Leonards	9·3	+ 1·9	57	0	45	62·6	—	56·3	—
Southampton	6·6	− 0·4	40	0	40	•	•	•	•
Ventnor	6·5	− 0·6	39	•	•	•	•	•	•
Richmond	6·6	+ 0·1	40	0	39	60·3	+1·1	55·2	+0·6
Westminster	6·8	+ 1·1	41	0	40	•	•	•	•
Greenwich	9·1	+ 2·6	55	0	35	•	•	•	•
Hampstead	7·6	—	46	—	—	•	•	•	•
Camden Square	—	—	—	0	45	•	•	•	•
Aspatria	6·3	− 1·2	36	0	46	56·3	−1·2	51·7	−0·1
Newton Rigg	—	—	—	—	—	—	—	—	—
Stonyhurst	5·5	− 1·2	33	0	46	•	•	•	•
Blackpool	4·7	− 3·4	28	0	38	56·8	—	51·8	•
Southport	4·6	− 3·3	27	0	45	60·0	−0·5	57·1	+0·6
Hoylake	4·8	− 2·5	28	•	•	•	•	•	•
Liverpool	7·1	—	42	0	43	•	•	•	•
Manchester (City)	6·0	− 0·3	35	0	48	60·3	+2·3	55·4	+1·0
Whitworth Park	6·0	+ 0·1	35	•	•	•	•	•	•
Llandudno	4·1	− 3·8	24	•	•	•	•	•	•
Holyhead	4·7	—	28	0	44	•	•	•	•
Aberdovey	4·0	− 3·2	24	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. a. SOUTH WALES.																						
a Aberystwyth	59	72	16th	50	14th	66·9	54·4	60·2	—	7	0·65	17	—	Aberystwyth ..	4·0	− 2·9	24	•	•	•	•	•	•
a Rhayader	757	71	17th	43	14th	65·4	48·7	56·5	—	7	0·83	21	—	Rhayader ..	3·4	—	21	0	35	•	•	•	•
a St. Ann's Head ..	149	67	16th	50	15th	63·0	53·3	57·8	+ 3·0	4	0·67	17	+ 6	St. Ann's Head ..	7·5	− 0·2	46	•	•	•	•	•	•
p Cardiff	202	72	17th	48	15th	67·9	52·7	59·8	+ 3·1	6	0·73	19	+ 4	Cardiff	5·2	—	31	0	46	61·6	+1·5	55·7	+0·6
b. ENGLAND, S.W.																						
a Bath	66	73	16, 17	44	15th	68·1	51·3	59·1	+ 2·0	5	0·85	22	+ 9	Bath	3·9	− 3·3	23	—	—	60·7	+0·5	57·0	+0·8
a Shaftesbury	722	69	16th	48	13, 14	64·7	51·0	57·4	+ 1·8	4	0·35	9	− 4	Shaftesbury ..	•	•	•	•	•	58·6	—	55·0	—
a Arlington	613	69	15th	43	15th	65·7	50·0	57·3	+ 2·3	6	1·02	26	+ 7										
a Newquay	190	65	17th	46	13, 16	62·5	50·1	55·9	0·0	5	1·20	30	+ 18	Newquay ..	5·7	− 1·9	35	—	—	60·7	—	55·7	—
a Cullompton	202	73	15th	42	15th	67·7	52·0	59·3	+ 2·4	5	1·08	27	+ 15	Cullompton ..	4·7	− 2·1	29	0	38	60·9	•	•	•
a Portland Bill	19	65	15th	51	18, 19	62·1	52·3	56·9	+ 0·9	3	0·63	16	+ 8	Weymouth ..	6·1	—	37	•	•	•	•	•	•
p Plymouth	116	68	15th	50	15th	65·1	53·6	59·0	+ 1·7	3	1·01	26	+ 14	Plymouth ..	7·1	− 0·4	43	0	45	64·0	+3·8	57·5	—
a Falmouth	167	66	15, 16	49	16th	63·4	52·1	57·4	+ 1·0	4	1·36	35	+ 22	Falmouth ..	5·2	− 2·6	32	0	41	63·1	—	59·9	—
9. IRELAND, N.																						
a West .. { a Mallarany	120	69	18th	50	15th	67·4	52·1	59·2	—	6	0·74	19	—	Mallarany ..	4·3	—	25	0	47	—	—	•	•
a West .. { a Malin Head	208	66	19th	51	13–15	60·0	52·0	55·7	+ 2·2	5	0·55	14	+ 2	Malin Head ..	4·9	—	28	•	•	•	•	•	•
a West .. { a Blacksod Point ..	37	65	13–15, 19	52	13, 14, 17	64·9	52·7	58·4	+ 3·4	5	0·68	17	+ 2	Markree Castle	5·2	− 0·7	31	0	41	60·0	+1·4	53·7	+0·5
a West .. { p Markree Castle ..	122	70	14th	48	17th	67·1	50·4	58·2	+ 3·9	4	0·54	14	− 2										
b. East .. { p Armagh	196	69	17th	48	15th	65·0	52·3	58·2	+ 3·2	4	0·25	6	− 8	Armagh	2·9	− 3·1	17	0	39	58·5	+0·8	54·0	+0·4
b. East .. { a Donaghadee	39	68	17th	50	13–16	62·0	50·6	55·9	+ 1·7	6	0·79	20	+ 7										
10. IRELAND, S.																						
p Dublin, City	47	67	17, 18	51	14th	65·7	54·0	59·4	+ 2·3	3	0·36	9	0	Trinity Coll. ..	6·3	•	37	0	45	60·8	+2·6	55·5	+1·2
a Birr Castle	175	69	15th	44	14th	66·9	50·0	57·9	+ 2·2	2	0·47	12	+ 1	Phœnix Park ..	5·8	− 0·8	34	2	29	•	•	•	•
a Kilkenny	195	70	16th	43	14th	65·9	51·1	58·0	+ 2·1	4	0·30	8	− 3	Dublin City ..	•	•	•	0	47	•	•	•	•
a Waterford	137	70	16th	47	14th	66·1	51·6	58·4	+ 1·7	4	0·43	11	− 1	Birr Castle ..	4·7	− 1·0	28	0	36	•	•	•	•
p Seskin, Carrick-on-Suir	535	69	16th	47	14, 15	65·0	49·9	56·9	—	6	0·30	8	—	Seskin	5·8	—	35	0	41	•	•	•	•
a Cahir	198	70	17th	40	15th	61·4	46·6	53·5	− 2·5	3	0·12	3	—										
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
a Cahirciveen (Val. Obs.)	30	65	14, 15	45	16th	62·6	51·3	56·6	+ 0·7	4	0·55	14	− 1	Cahirciveen ..	7·1	+ 0·5	43	0	40	•	•	•	•
a Killarney	174	70	15, 16	45	15th	66·9	49·5	57·6	+ 1·3	5	0·15	4	− 9	Ballinacurra ..	6·6	0·0	40	•	•	•	•	•	•
a Roche's Point	32	66	17th	51	16th	61·9	54·3	57·8	+ 1·7	4	0·42	11	− 1										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	64	15th	51	16th	61·7	54·0	57·6	+ 1·3	6	0·71	18	+ 10	Scilly	5·1	− 3·0	31	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	67	14, 15, 17	51	14th	64·6	54·6	59·3	+ 1·4	4	0·72	18	+ 8	St. Heliers ..	7·2	− 1·0	44	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	69	15th	53	13, 14	65·0	54·6	59·4	+ 1·9	3	0·89	23	+ 15	Guernsey† ..	7·0	− 1·4	43	0	46	61·2	+0·5	57·6	+0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 19th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	61	107	0	0	130	10	18	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	90	78	0	50	5	13	10	11	19	23	35
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	5	132	31	0	160	7	19	17*	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	16	86	66	0	200	7	18	12	13	18	11	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	84	70	14	0	110	10	14	16	19	13	0	40
Paisley	188	81	15	—	—	—	—	43	101	24	0	90	8	14	13	18	18	14	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	61	107	0	110	5	13	17	10	19	15	55
South Shields	72	61	12	—	—	—	—	9	86	73	0	130	7	13	15	11	13	15	0
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Shoeburyness	103	90	‡	—	—	—	—	36	91	41	0	140	9	17	18	22	17	17	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	—	110	58	0	230	5	19	17	17	16	13	30
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	3	65	100	0	—	6	16	13	12	16	15	30
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	9	90	69	0	80	8	15	15	12	17	12	55
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	32	121	15	0	100	9	13	1	—	—	—	—
Southport	80	62	48	—	—	—	—	58	109	1	0	90	9	16	14	17	15	18	25
Holyhead	60	40	‡	—	—	—	—	29	86	53	0	60	9	13	1	13	16	16	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	28	112	28	0	210	11	19	23	13	19	22	50
Plymouth	185	88	2	—	—	—	—	29	95	44	0	—	9	13	11	13	13	11	10
Lyme Regis	556	61	‡	—	—	—	—	—	6	162	0	—	5	18	19	8	18	19	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	19	1	26	95	46	0	180	11	19	24	—	—	—	—
Quilty	100	40	‡	—	—	19	1	38	62	67	0	—	11	19	16	15	19	16	5
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	53	77	38	0	170	10	19	14	15	19	11	35
Weaver Pt.	160	30	‡	—	—	—	—	101	63	4	0	—	11	13	11	14	13	15	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	6	99	63	0	130	8	18	10	11	18	9	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting.
§ Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FOURTH WEEK of 1920—June 13th to June 19th 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	79	43	93·4	82·6	87·7	+ 3·6	115	+ 43	0	− 1	1	− 3	0·14	4	− 12	14·3	+8·6	78	1017
Eastern.																			
1. SCOTLAND, EAST ...	81	35	94·0	81·2	87·0	+ 2·2	106	+ 26	0	0	1	− 2	0·29	7	− 6	12·1	+5·8	68	1017
2. ENGLAND, N.E.	79	41	93·2	83·4	88·0	+ 2·6	119	+ 33	0	0	2	− 1	0·54	14	+ 4	10·5	+4·1	62	1016
3. ENGLAND, EAST ...	80	45	93·9	84·5	88·9	+ 2·7	130	+ 34	0	0	3	0	0·40	10	− 2	8·8	+2·1	53	1015
4. MIDLAND COUNTIES ...	81	44	94·0	83·7	88·5	+ 2·3	125	+ 28	0	0	5	+ 2	1·10	28	+ 18	6·2	−0·2	37	1014
5. ENGLAND, S.E.	77	40	93·1	83·9	88·2	+ 1·5	121	+ 18	0	0	3	0	0·28	7	− 3	7·2	+0·1	44	1014
Western.																			
6. SCOTLAND, WEST ...	80	48	94·4	84·4	89·1	+ 3·5	132	+ 43	0	0	4	+ 1	0·77	20	+ 3	6·9	+0·1	40	1016
7. ENGLAND, N.W.	80	49	93·4	84·7	88·7	+ 2·6	128	+ 34	0	0	5	+ 2	1·07	27	+ 15	4·9	−2·2	29	1013
8. ENGLAND, S.W.	73	42	91·5	83·9	87·5	+ 1·1	113	+ 14	0	0	5	+ 2	0·85	22	+ 8	5·2	−2·0	32	1013
9. IRELAND, NORTH ...	70	44	90·9	83·7	87·1	+ 1·5	108	+ 19	0	0	4	0	0·55	14	− 1	4·1	−1·9	24	1012
10. IRELAND, SOUTH ...	70	40	91·2	83·6	87·1	+ 0·7	108	+ 8	0	0	4	+ 1	0·35	9	− 3	6·0	−0·2	36	1011
11. ENGLISH CHANNEL ...	69	51	90·7	85·4	87·9	+ 1·0	118	+ 12	0	0	4	+ 1	0·77	20	+ 12	6·4	−1·8	39	1013

THE SEASON (Summer).—Aggregates, &c., for the Period of 3 Weeks, May 30th to June 19th, 1920.

0. SCOTLAND, NORTH ...	79	36	89·1	80·6	84·6	+ 0·9	229	+ 30	0	− 2	4	− 7	0·73	19	− 24	9·3	+4·2	52	1018
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·6	79·8	84·3	0·0	223	+ 1	3	+ 2	5	− 4	0·64	16	− 19	8·4	+2·1	48	1018
2. ENGLAND, N.E.	79	31	90·2	81·7	85·7	+ 0·6	269	+ 23	0	0	5	− 4	0·69	18	− 14	8·2	+2·0	49	1018
3. ENGLAND, EAST ...	80	35	91·4	82·4	86·5	+ 0·4	302	+ 17	0	0	6	− 3	0·72	18	− 17	7·7	+0·8	47	1017
4. MIDLAND COUNTIES ...	81	32	91·7	81·5	86·3	+ 0·3	291	+ 7	0	0	9	0	2·02	51	+ 15	6·3	0·0	38	1017
5. ENGLAND, S.E.	78	33	91·6	82·4	86·7	+ 0·1	307	+ 3	0	0	7	− 2	1·16	29	− 5	7·4	+0·2	46	1017
Western.																			
6. SCOTLAND, WEST ...	80	36	90·9	82·0	86·1	+ 0·9	287	+ 34	0	0	8	− 2	1·51	39	− 7	7·6	+0·9	45	1018
7. ENGLAND, N.W.	80	35	90·7	82·5	86·3	+ 0·6	293	+ 25	0	0	10	+ 1	2·03	51	+ 15	6·6	−0·3	39	1017
8. ENGLAND, S.W.	75	33	90·6	82.6	86·3	+ 0·1	294	+ 6	0	0	9	0	1·61	41	+ 2	6·9	0·0	42	1017
9. IRELAND, NORTH ...	70	35	89·6	81·8	85·4	+ 0·2	260	+ 9	0	0	9	− 2	1·49	38	− 5	6·1	+0·1	36	1016
10. IRELAND, SOUTH ...	74	35	90·7	82·6	86·3	+ 0·3	292	+ 8	0	0	8	− 1	1·03	26	− 15	7·2	+0·8	44	1016
11. ENGLISH CHANNEL ...	69	40	90·0	84·4	87·0	+ 0·3	321	+ 15	0	0	8	− 1	1·49	38	+ 5	7·9	0·0	49	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 24 Weeks, January 4th to June 19th, 1920.

0. SCOTLAND, NORTH ...	79	19	82·7	76·4	79·4	+ 0·7	658	+ 77	387	−152	112	+ 1	31·04	787	+229	3·8	+0·4	31	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	83·2	75·9	79·4	+ 0·7	706	+ 37	456	−161	101	+ 7	14·15	360	+ 45	4·2	+0·3	34	1009
2. ENGLAND, N.E.	79	24	84·4	77·2	80·7	+ 1·3	963	+222	280	−192	93	+ 7	12·80	327	+ 84	4·2	+0·1	34	1012
3. ENGLAND, EAST ...	84	20	85·6	77·6	81·5	+ 1·7	1174	+283	270	−224	84	0	9·01	231	− 10	4·5	+0·1	37	1015
4. MIDLAND COUNTIES ...	82	20	85·8	77·5	81·3	+ 1·5	1098	+182	263	−259	99	+16	15·68	397	+125	3·7	−0·2	30	1014
5. ENGLAND, S.E.	81	17	85·8	78·4	82·0	+ 1·5	1241	+266	166	−213	90	+ 8	10·93	279	+ 6	4·3	−0·2	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	83·7	77·4	80·4	+ 0·7	863	+ 96	269	−147	120	+20	24·78	632	+146	3·4	−0·5	28	1011
7. ENGLAND, N.W. ...	81	22	84·4	78·2	81·2	+ 1·2	994	+184	187	−195	109	+20	21·09	535	+194	3·6	−0·5	29	1012
8. ENGLAND, S.W. ...	78	17	85·0	78·6	81·7	+ 1·1	1111	+165	131	−170	107	+18	19·21	486	+ 94	3·9	−0·5	31	1015
9. IRELAND, NORTH ...	77	23	84·2	77·4	80·7	+ 0·5	944	+117	241	− 99	122	+14	18·86	480	+ 87	3·5	−0·3	28	1009
10. IRELAND, SOUTH ...	78	22	85·0	78·4	81·6	+ 0·6	1097	+ 88	145	−115	116	+20	20·83	527	+105	3·8	−0·4	31	1013
11. ENGLISH CHANNEL ...	75	29	85·5	80·6	83·0	+ 1·1	1378	+246	20	− 85	92	− 3	12·70	320	− 6	4·8	−0·3	39	1016
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: June 25th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) No. 25.

TWENTY-FIFTH WEEK, SUNDAY, JUNE 20TH TO SATURDAY, JUNE 26TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

On Sunday owing to the passage of a secondary disturbance there was continuous rain for 13 or 14 hours all over the south of England, during which time amounts varying between 10mm. and 30mm. fell over a very large area, the last named measurement having occurred at Ventnor. Apart from a few light showers further to the west and north there was no other rainfall during the week, and the weather remained generally fine. After Sunday barometric pressure was persistently high off our south and south-west coasts and low in the north. The mean temperature of the week was slightly above the normal in all districts excepting Scotland W. where it was about equal to it. In Scotland Sunday was the warmest day and 297a was recorded at Nairn, this being the highest temperature for the week in the United Kingdom; over England the highest of the maxima occurred about the middle of the week, 296a being reported from Hereford, Southampton and Cullompton. The lowest minima were generally registered on the morning of Thursday over England and Wales, screen readings of 276a occurring at Rhayader and Tenbury; there was a similar reading at Balmoral on Tuesday morning. On the grass the thermometer went down to 272a at Balmoral and Durham and to 271a at Rounton. Rainfall slightly exceeded the normal in England E. and England S.E. but in all other districts there was a deficiency, varying from 3mm. in the English Channel and 5mm. in Scotland N. to 16mm. in England N.W. The sunshine duration in most districts shows a marked falling off from the preceding week; in Scotland N. it was only 4·6 hr. per day as compared with 14·3. Solar halos were observed at Ross-on-Wye on the 21st, at Aberdeen on the 22nd and at Oxford on the 21st, 24th and 25th.

Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	5·4	19	3·7	16	2·7	8	2·1	19	5·1	7	1·8	18	4·2	22	3·8
North	2	1·5	3	2·7	7	1·7	9	1·2	7	2·7	12	0·9	6	2·2	2	2·7
West	12	6·9	26	5·2	24	3·0	21	2·3	24	4·7	25	2·6	20	4·4	21	3·4
East	11	4·8	1	1·9	3	2·4	2	0·4	2	0·5	0	—	4	2·2	2	1·0
Calm	2	—	1	—	1	—	4	—	0	—	2	—	1	—	4	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual
	Rainfall ...	Moderate	Light	Moderate	Moderate	Light	Heavy	Light	Very light	Moderate	Light	Moderate	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 4 week from May 30th, 1920.	Warmth ...	1, 3, 0	1, 2, 1	3, 0, 1	3, 0, 1	1, 2, 1	1, 2, 1	1, 3, 0	1, 3, 0	1, 2, 1	1, 3, 0	0, 4, 0	2, 2, 0
	Rainfall ...	0, 2, 2	0, 2, 2	0, 2, 2	0, 2, 2	2, 0, 2	2, 1, 1	0, 3, 1	2, 0, 2	2, 1, 1	0, 2, 2	0, 3, 1	2, 1, 1
	Sunshine ...	2, 1, 1	2, 1, 1	2, 2, 0	2, 1, 1	0, 3, 1	0, 4, 0	1, 1, 2	1, 1, 2	1, 1, 2	1, 0, 3	1, 2, 1	1, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(29090—19) Wt. 24—561/P 25 500 6/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.					Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																							
a, Islands.. a Lerwick	54	61	20, 21	45	30th	57·4	47·9	52·3	+ 2·3	7	0·63	16	+ 3										
p Deerness, Orkney ..	105	62	21, 22	47	24th	58·0	49·0	53·2	—	5	0·20	5	- 9	Deerness ..	4·6	- 0·3	25	•	•	•	•	•	•
a Stornoway .. .	51	64	20th	48	23rd	59·4	50·6	54·7	+ 2·0	5	0·51	13	- 4	Stornoway ..	4·7	- 0·7	26	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	58	25th	49	24th	56·1	51·4	53·6	—	4	0·17	4	—	Castlebay ..	4·6	—	26	•	•	•	•	•	•
b, Mainland. a Wick .. .	81	62	21, 22	44	24th	59·1	48·3	53·3	+ 1·2	3	0·17	4	- 10										
a Strathpeffer	125	71	20th	44	26th	63·6	49·3	56·0	+ 1·0	1	0·09	2	- 12										
p Glencarron	500	65	20, 21	45	26th	59·0	48·0	53·1	- 0·2	6	0·57	15	- 15										
a Fort Augustus.. ..	69	68	20th	47	22nd	61·0	50·4	55·3	+ 0·9	4	0·70	18	+ 3										
p Fort William	171	65	20th	47	22nd	60·0	49·9	54·6	- 1·0	6	1·10	28	+ 2										
1. SCOTLAND, E.																							
a Nairn	82	75	20th	44	22nd	65·6	50·0	57·3	+ 3·0	4	0·13	3	- 10	Nairn	5·2	—	29	•	•	•	•	•	•
p Gordon Castle	101	70	20th	47	22nd	65·0	50·9	57·5	+ 2·9	3	0·12	3	- 13	Gordon Castle..	5·8	—	32	•	•	•	•	•	•
a Aberdeen	46	68	21st	48	24, 25	62·7	50·3	56·1	+ 2·3	3	0·34	9	- 4	Aberdeen ..	6·8	+ 1·2	38	0	40	•	•	52·3	+1·6
a Balmoral	980	65	20th	37	22nd	62·3	44·6	52·8	+ 0·2	4	0·17	4	- 11	Balmoral ..	•	•	•	1	30	•	•	•	•
p Crieff	432	68	20th	43	26th	61·7	48·0	54·4	- 1·6	4	0·26	7	- 12	Crathes	6·4	+ 1·1	36	0	36	58·8	+ 3·0	53·2	+1·3
a Dundee	344	69	20, 25	45	24th	64·6	47·9	55·7	+ 0·1	3	0·14	4	- 10	Dundee	5·0	—	28	0	37	58·1	•	•	•
a Leith	30	71	20th	50	22, 24	64·1	51·9	57·6	+ 1·6	4	0·10	3	- 10	Leith	•	•	•	0	43	•	•	•	•
p Edinburgh	441	66	20th	48	24th	63·6	50·4	56·1	+ 1·9	2	0·02	1	- 13	Edinburgh ..	5·4	- 0·2	31	0	40	•	•	•	•
a West Linton	769	63	20th	41	22nd	58·9	47·6	52·9	+ 0·4	2	0·16	4	—	West Linton ..	2·6	—	15	0	36	•	•	•	•
p Marchmont	498	66	20, 21	43	24th	62·7	47·0	54·3	+ 0·2	2	0·07	2	- 15	Marchmont .	5·1	- 0·5	29	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	73	20th	44	22nd	61·7	50·0	55·4	—	5	0·53	13	—	Ford (Argyll) ..	•	•	•	0	37	59·5	—	53·6	—
p Glasgow Observatory	180	70	20th	49	26th	61·6	51·9	56·4	+ 0·6	4	0·13	3	- 16	Glasgow.. ..	3·4	- 1·4	20	0	42	•	•	•	•
p Rothesay	200	66	20th	46	26th	60·4	48·6	54·1	- 1·6	5	0·59	15	- 9	Rothesay ..	2·4	—	14	0	41	58·3	—	53·9	+0·9
a Kilmarnock	90	71	20th	48	22nd	63·4	50·7	56·6	+ 1·6	5	0·23	6	- 13	Kilmarnock .	2·7	—	15	•	•	59·2	—	53·3	—
a Colmonell	170	66	20th	44	22nd	62·4	49·4	55·5	+ 1·1	3	0·40	10	- 9	Colmoneil ..	•	•	•	0	43	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	5·1	—	30	0	42	58·3	-1·3	54·2	-2·0
) Dumfries	180	64	21st	47	24th	60·9	50·6	55·4	- 1·3	4	0·13	3	16	Eskdalemuir ..	2·8	—	16	0	36	•	•	•	•
a Eskdalemuir	794	61	26th	42	24th	58·0	45·9	51·5	—	5	0·83	21	—										
b, I. OF MAN p Douglas	277	64	25th	44	24th	60·1	49·3	54·3	- 1·0	4	0·30	8	- 11	Douglas	4·5	- 2·0	26	0	39	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle ..	210	70	22nd	45	24th	65·4	50·3	57·3	+ 2·4	4	0·08	2	- 14										
a Tynemouth	118	69	22nd	46	24th	64·1	51·7	57·5	+ 2·8	1	0·17	4	- 10	Cockle Park ..	5·1	- 0·4	30	?	?	58·5	+2·1	54·3	+1·4
p Durham	332	69	20th	42	24, 25	64·7	48·6	56·1	+ 0·4	4	0·06	1	- 13	Durham ..	5·7	+ 0·2	33	1	30	•	•	•	•
p Rounton	249	69	20, 22	42	24th	65·6	50·1	57·3	+ 2·1	3	0·12	3	- 14	Rounton ..	•	•	•	2	29	58·9	•	•	•
a West Witton	605	68	22, 26	42	24th	61·1	50·6	56·9	—	3	0·08	2	—	West Witton .	•	•	•	0	37	59·8	—	52·3	—
p Scarborough	100	73	23rd	48	24, 25	67·3	53·0	59·7	+ 3·6	3	0·18	5	- 8	Scarborough† ..	5·3	- 0·2	31	•	•	•	•	58·2	—
p York	58	70	22nd	45	24th	66·3	52·0	58·7	+ 0·8	2	0·11	3	- 12	York	4·5	- 1·0	27	—	—	59·6	+2·2	54·6	+1·1
b, South .. a Spurn Head	26	71	22nd	50	24, 25	64·3	52·7	58·1	+ 1·6	3	0·91	23	+ 12	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	72	22nd	46	24th	67·4	51·3	58·8	+ 0·3	2	0·38	10	- 4	Lincoln	•	•	•	0	45	60·8	+1·5	55·5	+1·2
a Fulbeck	180	70	21, 22	44	25th	67·0	50·0	57·9	- 0·1	3	0·32	8	- 6	Fulbeck	5·5	- 0·8	33	•	•	—	—	—	—
														Skegness ..	6·7	0·0	40	•	•	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	68	21st	48	24, 25	66·0	50·4	57·7	+ 1·0	2	0·31	8	- 3	Cromer	7·1	+ 0·8	42	•	•	•	•	•	•
a Little Massingham ..	280	70	22nd	46	24, 25	65·7	48·7	56·6	- 1·2	2	0·46	12	- 1	Lit. Massingham	7·0	+ 0·7	41	•	•	•	•	•	•
a Yarmouth	13	70	23rd	48	25th	67·0	53·1	59·6	+ 2·4	3	0·87	22	+ 12	Yarmouth ..	?	?	?	0	45	61·9	-0·7	57·7	-0·1
a Norwich	93	71	22nd	47	24th	68·0	53·4	60·2	+ 2·1	2	0·74	19	+ 8	Norwich ..	6·5	—	39	0	43	64·4	•	•	•
a Geldeston	37	73	23rd	44	24th	69·1	51·7	59·8	+ 2·2	3	0·18	5	- 5	Geldeston ..	6·5	- 0·2	39	•	•	•	•	•	•
p Cambridge	41	72	22, 23	46	24th	69·7	48·4	58·3	- 0·5	2	0·57	15	+ 3	Cambridge ..	5·6	- 0·9	34	0	44	64·0	+3·1	58·5	+1·8
a Clacton-on-Sea ..	54	72	23rd	50	24th	68·7	55·1	61·4	+ 3·6	1	0·58	15	+ 6	Clacton	7·0	- 0·1	42	0	47	63·3	+3·9	58·5	+1·9
a Rothamsted	424	69	22nd	48	24th	65·9	51·1	58·0	+ 0·3	2	0·49	12	0	Rothamsted ..	7·3	+ 0·8	43	0	40	60·8	•	•	•
p Tottenham	51	72	22, 23	52	24th	69·6	56·6	62·7	—	1	0·53	13	—	Tottenham ..	8·9	—	42	0	49	•	•	59·1	+1·3
														S'thend-on-Sea	7·1	—	43	0	48	65·8	+4·2	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	67	22nd	43	24th	64·6	49·7	56·6	+ 1·1	2	0·04	1·	- 14	Harrogate ..	5·5	- 0·5	32	0	39	56·7	+1·4	53·9	+0·7
p Sheffield	439	68	21, 22	45	25th	65·1	50·9	57·5	—	2	0·22	6	—	Sheffield.. ..	4·6	- 0·8	27	0	40	59·5	+2·8	52·8	+1·0
p Buxton	987	66	22nd	42	25, 26	62·1	47·0	54·0	—	3	0·15	4	- 17	Buxton	4·1	—	24	0	38	58·8	+1·8	52·5	+1·1
b East .. a Worksop	56	72	23rd	43	25th	68·3	49·1	58·0	+ 0·8	2	0·23	6	- 7	Worksop ..	3·9	- 1·2	23	0	36	60·4	—	55·9	—
a Nottingham	82	70	22nd	45	24th	67·0	50·6	58·2	+ 0·5	2	0·35	9	- 4	Nottingham ..	4·5	- 1·0	27	0	35	61·2	+1·9	56·9	+1·9
p Birmingham, Edgbsn.	535	69	22nd	48	24th	66·3	51·1	58·2	+ 0·7	1	0·17	4	- 11	Birmingham ..	4·1	- 0·6	24	0	33	55·7	+1·7	51·1	+0·6
a Raunds	202	73	22nd	45	24th	69·4	49·1	58·5	+ 0·4	2	0·33	8	- 4	Raunds	5·9	—	35	0	36	61·5	—	54·9	—
) Oxford	208	72	23rd	49	24th	67·9	53·0	59·9	+ 1·4	2	0·39	10	- 4	Oxford	6·6	+ 0·6	40	0	44	•	•	•	•
														Malvern	5·1	—	30	0	39	62·0	—	57·7	—
c, West .. a Cheadle (N. Staffs.) ..	646	68	22nd	45	24th	64·7	48·7	56·1	0·0	3	0·30	8	- 9	Cheadle	•	•	•	0	45	•	•	•	•
p Tenbury	313	73	23rd	38	24th	68·1	49·0	57·9	+ 0·4	1	0·10	3	- 10	Tenbury	•	•	•	0	34	60·9	—	—	—
a Hereford	291	74	23rd	42	24th	68·7	48·6	58·0	+ 0·1	3	0·14	4	- 9	Ross-on-Wye ..	5·3	—	32	0	39	—	—	—	—
a Clifton	220	72	22nd	50	24th	67·7	55·4	61·1	+ 1·5	3	0·30	8	- 10	Clifton	6·6	—	40	0	47	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	72	23rd	47	24th	68·3	51·0	59·1	+ 2·5	1	0·51	13	· 0	Worthing ..	7·8	+ 0·4	47	0	47	64·6	+2·7	58·4	+1·3
p Wilton Ho.*	180	72	23, 24	45	21st	68·7	52·1	59·8	+ 1·4	1	0·43	11	- 1	Marlborough ..	?	?	?	0	39	61·2	—	55·3	—
a Wisley, Surrey ..	150	73	22, 23, 25	49	24th	70·1	52·9	60·9	+ 2·7	1	0·61	13	+ 3	Wilton Ho. ..	•	•	•	0	42	63·6	•	•	•
a Tunbridge Wells ..	354	73	25rd	51	21, 22, 24	69·4	52·1	60·2	+ 2·3	1	0·46	12	0	Wisley	7·2	+ 0·5	43	0	37	62·8	+2·3	57·1	+0·7
a Margate	51	72	22nd	53	20th	68·9	56·4	62·2	+ 3·9	2	0·52	13	+ 3	Tunbridge Wells	6·4	- 0·3	39	0	44	62·8	+1·4	57·4	—
														Margate	6·6	+ 0·3	40	0	50	67·2	+7·6	61·1	+5·0
a Dungeness	21	67	23rd	46	22, 25	65·1	47·6	55·7	- 1·8	1	0·51	13	+ 4	Folkestone ..	7·7	—	47	•	•	•	•	53·1	—
p St. Leonards	178	70	23rd	53	22nd	67·0	54·3	60·2	+ 2·2	2	0·66	17	+ 7	St. Leonards ..	8·7	+ 1·4	53	0	47	65·1	—	57·7	—
p Southampton	64	74	23rd	49	21st	68·9	53·9	60·9	+ 1·1	2	0·56	14	+ 3	Southampton ..	6·8	- 0·1	41	0	40	•	•	•	•
a Ventnor	59	68	23, 24	52	21st	65·4	54·9	59·8	+ 1·1	1	1·18	30	+ 20	Ventnor	7·3	+ 0·4	45	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	73	22nd	53	21, 24	70·4	55·7	62·5	+ 3·3	1	0·66	17	+ 5	Richmond ..	6·5	+ 0·2	39	0	45	63·3	+3·4	56·5	+1·1
a Westminster	27	74	23rd	52	21st	70·1	56·0	62·6	+ 2·9	1	0·50	13	+ 2	Westminster ..	7·0	+ 1·3	42	0	44	•	•	•	•
ag Greenwich	149	76	22nd	52	21, 22, 24	72·4	54·0	62·6	+ 2·6	1	0·43	11	- 1	Greenwich ..	6·7	0·0	40	0	43	•	•	•	•
a Hampstead	450	72	23rd	50	21, 24	68·0	53·1	60·0	—	1	0·61	15	—	Hampstead ..	7·0	—	42	—	—	—	—	—	—
ag Camden Square ..	110	78	23rd	51	21st	73·3	55·3	63·7	+ 2·8	2	0·56	14	+ 3	Camden Square	—	—	—	0	48	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	63	20th	48	25th	59·6	50·4	54·7	- 1·3	3	0·21	5	- 14	Aspatria.. ..	3·9	- 2·0	23	0	45	56·3	-1·9	52·6	0·0
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	—	—	—	—	—	—	—	—	—	—	—	—	Stonyhurst ..	—	—	—	—	—	•	•	•	•
p Blackpool	60	66	20, 22	50	25th	63·6	53·9	58·4	+ 1·8	2	0·14	4	- 12	Blackpool ..	5·1	- 1·4	30	0	43	58·3	—	52·5	•
a Southport	37	67	20th	48	25th	62·9	53·4	57·8	+ 0·8	2	0·06	2	- 14	Southport ..	4·6	- 1·7	27	0	42	63·7	+2·6	59·1	+1·6
														Hoylake	4·6	- 1·3	27	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	67	20th	50	25th	62·7	52·7	57·4	- 0·2	0	0·00	0	- 16	Liverpool	4·3	—	25	0	45	•	•	•	•
a Hawarden Bridge ..	22	68	20, 22	49	23th	65·4	53·3	58·9	+ 0·7	1	0·03	1	- 13	Manchester(City)	3·5	- 1·4	21	0	47	61·8	+3·3	57·2	+1·7
p Manchester (Whit. Pk.)	125	69	20th	45	25th	65·0	49·4	56·7	- 1·8	2	0·08	2	- 18	Whitworth Park	3·3	- 1·4	20	•	•	•	•	•	•
b NORTH WALES.																							
p Llandudno	16	65	20, 22	48	25th	61·9	52·7	57·0	- 0·6	3	0·05	1	- 14	Llandudno ..	4·9	- 1·5	29	•	•	•	•	•	•
a Holyhead	15	62	23, 26	51	21, 24	60·6	52·4	56·2	+ 0·1	2	0·05	1	- 15	Holyhead ..	4·2	—	25	0	48	•	•	•	•
a Aberdovey	22	65	23rd	51	24th	62·1	55·0	58·3	—	2	0·12	3	—	Aberdovey ..	4·2	- 1·6	25	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																						
a Aberystwyth	59	63	22, 24	47	24th	61·6	54·0	57·5	—	2	0·18	5	Aberystwyth ..	4·6	- 1·2	28	•	•	•	•	•	•
a Rhayader	757	65	25th	37	24th	62·4	48·9	55·2	—	4	0·09	2	Rhayader ..	4·9	—	29	1	30	•	•	•	•
a St. Ann's Head ..	149	64	23rd	50	25th	60·0	54·1	56·8	+ 1·0	4	0·10	3	St. Ann's Head	4·5	- 2·1	27	•	•	•	•	•	•
p Cardiff	202	69	22, 23	48	24th	66·1	53·4	59·3	+ 1·6	2	0·43	11	- 5	Cardiff	6·3	—	38	0	41	62·6	+2·3	56·7	+0·7
b, ENGLAND, S.W.																						
a Bath	66	70	22-24	52	21, 24	67·6	54·6	60·7	+ 2·6	1	0·27	7	- 7	Bath	4·8	- 1·4	29	—	—	62·3	+2·0	57·9	+1·0
a Shaftesbury	722	69	24, 25	47	21st	65·9	50·9	57·9	+ 1·2	1	0·50	13	- 1	Shaftesbury ..	•	•	•	•	•	60·1	—	55·9	—
a Arlington	613	66	23, 24	45	24th	64·0	52·0	57·6	+ 1·6	5	0·73	19	- 1										
a Newquay	190	65	22nd	50	22nd	63·2	53·7	58·1	+ 1·2	2	0·10	3	- 9	Newquay ..	7·1	+ 0·5	43	—	—	62·2	—	56·4	—
a Cullompton	202	74	24th	46	21, 24	70·1	51·9	60·4	+ 2·5	3	0·20	5	- 8	Cullompton ..	5·2	- 0·6	32	0	42	62·2	•	•	•
a Portland Bill	19	64	24th	54	21, 24-26	61·4	54·4	57·7	+ 0·7	1	0·83	21	+ 13	Weymouth ..	7·5	—	46	•	•	•	•	•	•
p Plymouth	116	69	23-25	50	22, 24	66·6	53·9	59·8	+ 1·5	2	0·12	3	- 10	Plymouth ..	6·8	+ 0·3	41	0	44	64·0	+3·3	58·1	—
a Falmouth	167	69	24, 25	50	24th	66·7	53·3	59·5	+ 2·1	2	0·13	3	- 11	Falmouth ..	6·6	- 0·2	40	0	47	63·3	—	60·3	—
9. IRELAND, N.																						
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	•	•
a West .. *a* Malin Head	208	64	20th	50	24, 26	58·9	51·6	55·0	+ 0·5	4	0·16	4	- 12	Malin Head ..	4·6	—	26	•	•	•	•	•	•
a Blacksod Point ..	37	62	26th	49	24, 26	60·7	51·1	55·6	- 0·4	6	0·71	18	- 2	Markree Castle	3·7	- 1·5	22	0	43	59·9	+0·8	54·5	+0·6
p Markree Castle ..	122	65	26th	48	26th	63·3	50·6	56·5	+ 1·2	6	0·35	9	- 13										
b, East .. *p* Armagh	196	67	20, 26	49	23, 24	64·4	50·7	57·1	+ 1·1	5	0·27	7	- 11	Armagh	4·3	- 1·1	25	0	45	59·0	+0·8	54·9	+0·4
a Donaghadee	39	66	20th	49	23, 24	62·6	50·6	56·2	+ 0·9	4	0·24	6	- 11										
10. IRELAND, S.																						
p Dublin, City	47	69	20th	52	21st	64·1	54·4	58·9	+ 1·0	5	0·28	7	- 9	Trinity Coll. ..	5·1	*	30	0	41	61·0	+2·3	56·7	+1·7
a Birr Castle	175	65	20, 26	46	24th	63·0	51·4	56·8	+ 0·3	4	0·10	3	- 16	Phœnix Park ..	4·7	- 1·2	28	0	37	•	•	•	•
a Kilkenny	195	66	20, 22, 23	41	24th	64·9	50·7	57·3	+ 0·5	4	0·24	6	- 14	Dublin City ..	•	•	•	0	47	•	•	•	•
a Waterford	137	68	23rd	48	21, 24	63·6	52·6	57·7	+ 0·2	1	0·17	4	- 17	Birr Castle ..	3·5	- 1·6	21	0	37	•	•	•	•
p Seskin, Carrick-on-Suir	535	69	23rd	46	24th	63·3	50·4	56·4	—	3	0·11	3	—	Seskin	3·6	—	21	0	42	•	•	•	•
a Cahir	198	67	23rd	48	24th	63·9	52·1	57·6	+ 0·8	4	0·41	10	—										
a Foynes	50	66	20, 26	47	24th	63·0	51·3	56·7	- 0·4	5	0·22	6	- 15										
a Cahirciveen (Val. Obs.)	30	62	20, 22	47	24th	60·4	52·7	56·3	- 0·4	5	0·63	16	- 10	Cahirciveen ..	4·0	- 1·9	24	0	44	•	•	•	•
a Killarney	174	68	23rd	47	24th	65·4	53·1	58·8	+ 1·7	6	0·43	11	- 12	Ballinacurra ..	3·2	- 2·8	19	•	•	•	•	•	•
a Roche's Point	32	65	23rd	51	23rd	61·6	54·0	57·5	+ 0·6	5	0·45	12	- 9										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	64	22, 24, 25	52	24th	63·1	54·9	58·7	+ 1·2	2	0·16	4	- 7	Scilly	6·6	- 0·6	40	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	24th	51	22nd	66·3	55·1	60·3	+ 1·2	1	0·43	11	- 2	St. Heliers ..	9·8	+ 2·3	60	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	69	24, 26	52	21, 22	66·1	54·1	59·7	+ 1·0	1	0·49	13	+ 1	Guernsey† ..	9·0	+ 1·4	55	0	43	61·8	+0·5	58·4	+0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, June 26th, 2020.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.	Highest Gust. Speed.	Date
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day. hr.	m/s.	d. h. m
0. SCOTLAND, N.																
Deerness (Cup Anr.)** ..	188	16	5	—	—	19, 20, 23	39	66	56	7	0	200	17	23 12	—	— — —
1. SCOTLAND, E.																
Dyce	305	75	15*	—	—	—	—	8	89	66	5	190	6	20 10	14	23 16 45
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	23	102	43	0	240	8	21 13	—	— — —
Edinburgh	486	39	31	—	—	22	1	89	72	6	0	200	12	22 17	18	22 17 5
6. SCOTLAND, W.																
Eskdalemuir	825	50	22	—	—	20, 22	7	57	77	27	0	200	13	22 15	19	22 15 45
Paisley	188	81	15	—	—	—	—	27	127	14	0	190	8	22 15	19	22 22 5
2. ENGLAND, N.E.																
Alnwick Castle	340	70	17	—	—	—	—	6	106	56	0	300	7	23 10	15	23 10 0
South Shields	72	61	12	—	—	—	—	33	107	28	0	310	9	23 11	15	23 10 50
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	— —	—	— — —
3. ENGLAND, E.																
Gorleston	52	42	‡	—	—	—	—	23	107	28	10	220	9	20 13	12	20 13 20
Shoeburyness	103	90	‡	—	—	—	—	27	131	10	0	200	9	20 12	13	25 12 50
4. MIDLAND COUNTIES.																
Benson	270	84	‡	—	—	—	—	5	122	41	0	200	6	20 12	10	20 11 0
5. ENGLAND, S.E.																
Brighton	261	53	6	—	—	—	—	8	107	53	0	—	7	20 15	10	20 12 25
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	— —	—	— — —
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	131	37	0	200	5	20 2	9	25 13 10
7. ENGLAND, N.W.																
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	83	84	1	0	250	10	23 3	—	— — —
Southport	80	62	48	—	—	20, 22, 23, 25	7	97	61	3	0	240	12	22 22	18	22 22 25
Holyhead	60	40	‡	—	—	22	1	106	57	4	0	210	11	22 16	17	22 16 40
8. ENGLAND, S.W.																
Pendennis Castle§ ..	256	65	24	—	—	—	—	69	90	9	0	210	9	20 1	12	21 10 10
Plymouth	185	88	2	—	—	—	—	22	127	19	0	—	9	20 2	11	20 2 10
Lyme Regis	556	61	‡	—	—	—	—	—	22	146	0	—	5	25 13	9	25 13 50
10. IRELAND, S.																
Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	83	80	5	0	200	10	22 16	—	— — —
Quilty	100	40	‡	—	—	—	—	58	74	36	0	—	9	22 15	13	22 14 25
Cahirciveen (Val Obs.)	98	41	‡	—	—	24	1	82	64	21	0	160	12	24 16	18	24 15 35
Weaver Pt.	160	30	‡	—	—	20	3	83	80	2	0	—	12	20 11	18	20 11 15
11. ENGLISH CHANNEL																
Scilly	150	32	‡	—	—	—	—	12	108	44	4	270	6	20 24	9	20 17 40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-FIFTH WEEK of 1920—June 20th to June 26th 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	71	44	88·5	82·5	85·3	+ 0·6	85	+ 6	0	0	5	+ 1	0·54	14	− 5	4·6	−0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	75	37	90·2	82·3	86·0	+ 0·6	94	+ 7	0	0	3	− 1	0·17	4	− 12	5·6	+0·2	32	1015
2. ENGLAND, N.E.	73	42	91·8	83·6	87·4	+ 1·0	111	+ 13	0	0	3	0	0·26	7	− 7	5·5	−0·4	32	1019
3. ENGLAND, EAST ...	73	44	92·8	84·2	88·2	+ 0·8	122	+ 10	0	0	2	− 1	0·53	13	+ 2	6·8	+0·1	38	1020
4. MIDLAND COUNTIES ...	74	38	92·6	83·2	87·6	+ 0·5	114	+ 6	0	0	2	− 1	0·24	6	− 8	5·1	−0·7	31	1020
5. ENGLAND, S.E.	74	45	93·1	84·7	88·6	+ 1·0	127	+ 13	0	0	1	− 2	0·60	15	+ 4	7·2	+0·3	44	1021
Western.																			
6. SCOTLAND, WEST ...	73	44	89·4	83·1	86·0	− 0·1	94	− 2	0	0	4	0	0·33	8	− 14	4·0	−1·7	23	1017
7. ENGLAND, N.W.	69	45	90·0	84·2	86·9	+ 0·2	105	+ 2	0	0	2	− 2	0·08	2	− 16	4·5	−1·2	26	1020
8. ENGLAND, S.W.	74	37	91·4	84·5	87·7	+ 0·8	116	+ 10	0	0	3	− 1	0·34	9	− 5	5·6	−0·6	33	1022
9. IRELAND, NORTH ...	67	46	89·8	83·6	86·4	+ 0·3	99	+ 4	0	0	5	0	0·31	8	− 12	4·0	−1·3	24	1017
10. IRELAND, SOUTH ...	69	41	90·4	84·4	87·2	+ 0·3	109	+ 4	0	0	4	0	0·33	8	− 13	3·8	−1·8	23	1020
11. ENGLISH CHANNEL ...	70	51	91·4	85·6	88·3	+ 0·7	123	+ 9	0	0	1	− 2	0·36	9	− 3	8·4	+1·0	52	1023

THE SEASON (Summer).—Aggregates, &c., for the Period of 4 Weeks, May 30th to June 26th, 1920.

0. SCOTLAND, NORTH ..	79	36	88·9	81·1	84·8	+ 0·8	314	+ 36	0	− 2	9	− 6	1·27	33	− 29	8·1	+2·7	45	1017
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·8	80·5	84·8	+ 0·2	317	+ 8	3	+ 2	8	− 5	0·81	20	− 31	7·7	+1·6	44	1018
2. ENGLAND, N.E.	79	31	90·6	82·2	86·1	+ 0·7	380	+ 36	0	0	8	− 4	0·95	25	− 21	7·6	+1·4	45	1018
3. ENGLAND, EAST ..	80	35	91·7	82·8	87·0	+ 0·6	424	+ 27	0	0	8	− 4	1·25	31	− 15	7·5	+0·7	45	1018
4. MIDLAND COUNTIES ...	81	32	92·0	81·9	86·6	+ 0·3	405	+ 13	0	0	11	− 1	2·26	57	+ 7	6·0	−0·1	36	1018
5. ENGLAND, S.E.	78	33	92·0	83·0	87·2	+ 0·4	434	+ 16	0	0	8	− 4	1·76	44	− 1	7·4	+0·3	45	1018
Western.																			
6. SCOTLAND, WEST ...	80	36	90·5	82·3	86·1	+ 0·7	381	+ 32	0	0	12	− 2	1·84	47	− 21	6·7	+0·3	39	1018
7. ENGLAND, N.W.	80	35	90·5	82·9	86·5	+ 0·5	398	+ 27	0	0	12	− 1	2·11	53	− 1	6·1	−0·5	36	1018
8. ENGLAND, S.W.	75	33	90·8	83·1	86·7	+ 0·3	410	+ 16	0	0	12	− 1	1·95	50	− 3	6·5	−0·3	40	1018
9. IRELAND, NORTH ...	70	35	89·7	82·2	85·7	+ 0·3	359	+ 13	0	0	14	− 2	1·80	46	− 17	5·6	−0·2	33	1016
10. IRELAND, SOUTH ...	74	35	90·6	83·0	86·5	+ 0·3	401	+ 12	0	0	12	− 1	1·36	34	− 28	6·5	+0·3	39	1017
11. ENGLISH CHANNEL ...	70	40	90·4	84·7	87·6	+ 0·7	444	+ 24	0	0	9	− 3	1·85	47	+ 2	8·0	+0·2	50	1018

THE YEAR 1920.—Aggregates, &c., for the Period of 25 Weeks, January 4th to June 26th, 1920.

0. SCOTLAND, NORTH ..	79	19	82·9	76·6	79·7	+ 0·8	743	+ 83	387	−152	117	+ 2	31·58	801	+224	3·9	+0·4	30	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	83·5	76·2	79·7	+ 0·7	800	+ 44	456	−161	104	+ 6	14·32	364	+ 33	4·3	+0·3	34	1009
2. ENGLAND, N.E.	79	24	84·7	77·5	81·0	+ 1·3	1074	+235	280	−192	96	+ 7	13·06	334	+ 77	4·2	0·0	34	1012
3. ENGLAND, EAST ..	84	20	85·9	77·9	81·8	+ 1·7	1296	+293	270	−224	86	− 1	9·54	244	− 8	4·6	+0·1	37	1015
4. MIDLAND COUNTIES ...	82	20	86·0	77·7	81·5	+ 1·4	1212	+188	263	−259	101	+15	15·92	403	+117	3·7	−0·3	30	1014
5. ENGLAND, S.E.	81	17	86·1	78·7	82·3	+ 1·5	1368	+279	166	−213	91	+ 6	11·53	294	+ 10	4·4	−0·2	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	83·9	77·6	80·7	+ 0·8	957	+ 94	269	−147	124	+20	25·11	640	+132	3·5	−0·5	28	1011
7. ENGLAND, N.W. ...	81	22	84·6	78·4	81·4	+ 1·2	1099	+186	187	−195	111	+18	21·17	537	+178	3·6	−0·5	29	1013
8. ENGLAND, S.W.	78	17	85 2	78·9	82·0	+ 1·1	1227	+175	131	−170	110	+17	19·55	495	+ 89	3·9	−0·6	31	1015
9. IRELAND, NORTH ...	77	23	84·4	77·7	81·0	+ 0·6	1043	+121	241	− 99	127	+14	19·17	488	+ 75	3·5	−0·4	28	1010
10. IRELAND, SOUTH ...	78	22	85·2	78·6	81·8	+ 0·6	1206	+ 92	145	−115	120	+20	21·16	535	+ 92	3·8	−0·3	31	1013
11. ENGLISH CHANNEL ...	75	29	85·8	80·8	83·2	+ 1·0	1501	+255	20	− 85	93	− 5	13·06	329	− 9	4·9	−0·3	40	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: July 2nd, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

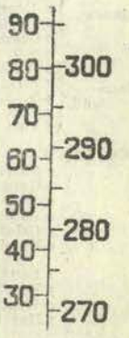
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 26.

TWENTY-SIXTH WEEK,
SUNDAY, JUNE 27TH TO SATURDAY, JULY 3RD, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week was generally unsettled, with much cloud, low temperature and frequent rain; thunderstorms were experienced in most districts on July 2nd or 3rd and in some instances the rainfall was very heavy. Early in the week barometric pressure was high over the Azores and low in a depression off our western coasts; the latter system moved eastwards over our southern districts during the week. The mean temperature was 1a above the normal in England East and about equal to it in the neighbouring districts, but over all the northern and western districts of the United Kingdom it was below the normal. The highest of the maxima occurred generally on Monday or Tuesday, the actual highest reading being 297a at Southend and Margate and in London; the lowest minima occurred on Monday morning, when 274a was registered in the screen at Balmoral and 272a at West Linton, with grass readings of 271a in each case. With the single exception of Scotland North there was an excess of rain-days and also of total rainfall in all districts, the largest excess, 31mm., being in Scotland West. Individual falls of 20mm. or more in a day were numerous, in the northern districts early in the week and in the west and south-west at the close; at Kilmarnock 44mm. fell on June 28th, while at Cheadle (Staffs.) the aggregate for the two days July 2nd and 3rd was 47mm. Bright sunshine showed a slight excess over the normal in Scotland North, but in all other districts there was a deficiency. The daily mean for England South-West was only 2·1 hr. against a normal of 7·1 hr. At Great Yarmouth the daily mean was as large as 9·5 hr., but this value was quite local, the mean for the district (England E.) being 6·6 hr. The lowest records were on the Welsh coast, both Aberystwyth and Aberdovey having only 1·3 hr. a day. Solar halos were seen at Oxford and Hastings on June 28th, at Tenbury on June 30th and at Aberdeen on July 1st.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	19	4·1	12	4·8	27	5·3	24	4·1	20	5·5	15	2·8	17	4·4	19	3·9
North	5	4·3	11	2·7	0	—	0	—	7	8·6	11	4·2	7	6·4	9	8·1
West	13	3·5	11	4·5	24	4·3	24	2·1	21	4·7	26	3·7	17	4·3	22	3·3
East	14	3·1	11	2·4	1	2·0	0	—	4	1·4	1	0·5	4	2·4	3	1·6
Calm	1	—	5	—	1	—	3	—	0	—	0	—	4	—	0	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Deficient	Deficient	Moderate	Unusual	Moderate	Moderate	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate
Rainfall ...	Moderate	Heavy	Very heavy	Heavy	Very heavy	Heavy	Very heavy	Very heavy	Very heavy	Heavy	Heavy	Heavy
Sunshine ...	Abundant	Moderate	Scanty	Moderate	Very scanty	Very scanty	Very scanty	Very scanty	Very scanty	Moderate	Scanty	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 5 weeks from May 30th, 1920. Warmth ...	1, 3, 1	1, 2, 2	3, 1, 1	4, 0, 1	1, 3, 1	1, 3, 1	1, 3, 1	1, 4, 0	1, 2, 2	1, 3, 1	0, 4, 1	3, 2, 0
Rainfall ...	0, 3, 2	1, 2, 2	1, 2, 2	1, 2, 2	3, 0, 2	3, 1, 1	1, 3, 1	3, 0, 2	3, 1, 1	1, 2, 2	1, 3, 1	3, 1, 1
Sunshine ...	3, 1, 1	2, 2, 1	2, 2, 1	2, 2, 1	0, 3, 2	0, 4, 1	1, 1, 3	1, 1, 3	1, 1, 3	1, 1, 3	1, 2, 2	1, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F 273 a. = 0° C = 32° F., 1 mm = ·04 (·0394) inch 1000 mb. = 29·531 mercury inches 1 m/s. = 2·24 miles per hour.

(29169—19) Wt. 24—561/P 25 500 7/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the Week. in.	mm.	Deviation from Normal. mm.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft Mean.	Earth 4 ft Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.						hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands — a Lerwick	54	57	30th	44	1st	56·0	47·9	51·7	+ 0·2	3	0·16	4	- 7										
a, Islands — p Deerness, Orkney	165	59	28, 30	47	29, 1, 2	57·7	48·4	52·7	—	3	0·14	4	- 8	Deerness	7·3	+ 1·6	40	•	•	•	•	•	•
a, Islands — a Stornoway	51	60	1, 2	48	3rd	58·3	49·6	53·7	- 0·1	4	0·51	13	- 2	Stornoway	6·8	+ 1·7	38	•	•	•	•	•	•
a, Islands — a Castlebay, Barra I.	37	58	27, 1	49	27, 30	56·1	50·1	52·9	—	4	0·41	10	—	Castlebay	7·8	—	44	•	•	•	•	•	•
b, Mainland — a Wick	81	62	30th	41	27th	57·0	47·0	51·7	- 1·7	3	0·09	2	- 10										
b, Mainland — a Strathpeffer	125	65	27th	42	29th	62·3	47·4	54·3	- 1·8	3	0·24	6	- 6										
b, Mainland — p Glencarron	500	63	27th	42	3rd	58·6	46·0	51·9	- 2·4	5	1·16	29	+ 3										
b, Mainland — a Fort Augustus	68	65	27th	39	27th	59·0	47·3	52·7	- 3·0	6	0·98	25	+ 12										
b, Mainland — p Fort William	171	62	27, 30, 1, 3	40	27th	60·4	47·9	53·7	- 3·0	6	1·29	33	+ 10										
1. SCOTLAND, E.																							
a Nairn	82	66	29th	40	1st	61·9	46·7	53·8	- 2·1	4	0·52	13	+ 2	Nairn	5·5	—	31	•	•	•	•	•	•
p Gordon Castle	101	69	27th	42	1st	62·3	48·4	54·9	- 1·2	5	0·70	18	+ 5	Gordon Castle	5·2	—	29	•	•	•	•	•	•
a Aberdeen	46	67	30th	45	1st	60·6	50·7	55·3	- 0·2	5	1·20	31	+ 20	Aberdeen	6·0	- 0·3	34	0	37	•	•	52·9	+1·5
a Balmoral	930	67	27th	34	1st	59·9	43·7	51·2	- 2·9	4	0·76	19	+ 8	Balmoral	•	•	•	1	28	•	•	•	•
p Crieff	432	62	30th	39	27th	59·3	46·4	52·4	- 5·1	5	1·07	27	+ 13	Crathes	4·4	- 1·6	25	0	40	57·4	+ 0·9	53·8	+1·3
a Dundee	244	65	27th	42	29th	61·1	47·0	53·6	- 3·7	5	0·96	24	+ 13	Dundee	4·9	—	28	0	35	57·6	•	•	•
a Leith	30	64	28th	43	27th	60·7	50·1	55·0	- 2·7	5	2·30	59	+ 49	Leith	•	•	•	0	43	•	•	•	•
p Edinburgh	441	62	30th	45	27th	59·0	49·7	54·0	- 1·9	5	2·65	67	+ 56	Edinburgh	4·9	- 1·5	28	0	40	•	•	•	•
a West Linton	769	60	28th	31	27th	58·0	45·4	51·3	- 2·8	5	2·01	51	—	West Linton	2·6	—	15	1	29	•	•	•	•
p Marchmont	498	66	27th	40	27th	61·1	47·0	53·6	- 2·2	5	1·73	44	+ 31	Marchmont	—	—	—	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	63	3rd	38	27th	60·4	46·4	52·9	—	6	0·94	24	—	Ford (Argyll)	•	•	•	0	31	57·9	—	54·0	—
p Glasgow Observatory	180	62	29, 30	47	27th	59·4	51·3	55·1	- 2·0	5	1·98	50	+ 35	Glasgow	2·3	- 2·8	13	0	35	•	•	•	•
p Rothesay	200	61	3rd	45	27th	58·7	48·3	53·1	- 3·7	6	1·87	48	+ 29	Rothesay	2·4	—	14	0	41	56·4	—	54·0	+0·4
a Kilmarnock	90	65	27th	43	27th	62·1	49·9	55·6	- 0·6	5	2·68	68	+ 53	Kilmarnock	1·9	—	11	•	•	57·5	—	53·8	—
a Colmonell	170	64	3rd	45	27th	61·1	50·6	55·5	- 0·1	6	1·79	45	+ 30	Colmonell	•	•	•	0	41	•	•	•	•
p Cally, Gatehouse	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries	2·0	—	12	0	37	57·1	-2·6	54·0	-2·8
p Dumfries	160	64	2nd	43	27th	61·3	50·6	55·6	- 2·4	6	1·65	42	+ 27	Eskdalemuir	1·9	—	11	0	34	•	•	•	•
a Eskdalemuir	794	62	27th	34	27th	58·1	45·1	51·2	—	6	2·66	68	—										
b, I. OF MAN — p Douglas	277	62	2nd	47	27th	59·7	50·3	54·7	- 1·8	5	1·57	40	+ 25	Douglas	3·7	- 3·1	22	0	42	•	•	•	•
2. ENGLAND, N.E.																							
a North — a Alnwick Castle	210	66	27, 28, 30	47	27, 30	63·0	49·9	56·0	- 0·5	5	1·72	44	+ 31										
a North — a Tynemouth	118	66	28th	47	27th	61·4	50·7	55·7	- 0·7	6	1·06	27	+ 15	Cockle Park	4·6	- 1·4	27	—	—	56·8	-0·1	54·3	+0·8
a North — p Durham	336	68	28th	42	27th	63·4	49·7	56·1	- 1·2	6	1·61	41	+ 29	Durham	3·7	- 2·1	22	1	29	•	•	•	•
a North — p Rounton	249	69	2nd	42	27th	65·0	50·0	57·0	+ 0·2	7	1·51	38	+ 23	Rounton	•	•	•	1	28	58·9	•	•	•
a North — a West Witton	605	68	27, 28	40	27th	63·3	50·4	56·4	—	7	1·77	45	—	West Witton	•	•	•	0	37	58·8	—	53·1	—
a North — p Scarborough	100	73	28th	48	27th	67·0	53·0	59·5	+ 1·7	5	0·94	24	+ 13	Scarborough†	5·1	- 0·8	30	•	•	•	•	58·5	—
a North — p York	56	71	29th	44	27th	66·4	52·6	59·0	- 0·4	7	2·04	52	+ 39	York	3·2	- 2·8	19	—	—	59·4	+1·5	55·3	+1·1
b, South — a Spurn Head	26	71	29th	50	27th	65·9	52·9	59·0	+ 0·8	5	0·80	20	+ 11	Spurn Head	•	•	•	•	•	•	•	•	•
b, South — a Lincoln	58	72	28th	48	27th	68·1	54·6	60·9	+ 0·9	5	1·11	28	+ 16	Lincoln	•	•	•	0	47	60·7	+1·1	56·3	+1·2
b, South — a Fulbeck	180	71	27, 28	45	27th	67·3	53·1	59·7	+ 0·1	5	0·84	21	+ 9	Fulbeck	4·8	- 2·1	29	•	•	—	—	—	—
														Skegness	5·9	- 1·4	35	•	•	—	—	•	•
3. ENGLAND, E.																							
p Cromer	196	72	28, 29	50	27, 1	69·3	52·3	60·2	+ 1·6	5	0·50	13	+ 2	Cromer	7·1	0·0	42	•	•	•	•	•	•
a Little Massingham	280	72	28th	50	27, 30	68·1	51·6	59·3	- 0·2	3	0·81	21	+ 8	Lit. Massingham	6·8	- 0·1	40	•	•	•	•	•	•
a Yarmouth	13	74	29th	54	27, 30	69·3	56·1	62·2	+ 3·1	3	0·43	11	0	Yarmouth	9·5	—	57	0	51	62·9	+0·1	58·6	+0·1
a Norwich	93	73	28, 29	54	27, 30, 1	70·6	56·1	62·9	+ 3·0	4	0·74	19	+ 7	Norwich	6·9	—	41	0	51	65·1	•	•	•
a Geldeston	37	74	29th	52	27, 30	71·4	54·6	62·4	+ 3·0	3	0·40	10	- 1	Geldeston	7·7	+ 0·3	46	•	•	•	•	•	•
p Cambridge	41	73	28th	52	30th	69·9	55·0	61·9	+ 1·4	5	0·75	19	+ 8	Cambridge	6·3	- 1·0	38	0	50	64·0	+2·7	59·2	+1·8
a Clacton-on-Sea	54	74	28th	56	27, 30	69·0	57·6	62·9	+ 3·2	3	0·54	14	+ 5	Clacton	7·0	- 0·8	42	0	53	63·4	+3·7	59·4	+2·1
a Rothamsted	424	68	28th	53	30, 1	65·3	55·1	59·8	+ 0·4	6	0·94	24	+ 12	Rothamsted	4·6	- 2·6	28	0	49	?61·4	•	•	•
p Tottenham	51	73	28th	56	30th	68·9	58·1	63·1	—	2	0·36	9	—	Tottenham	4·0	—	24	0	55	•	•	60·3	+1·8
														S'thend-on-Sea	5·8	—	35	0	52	65·3	+3·7	—	—
4. MIDLAND COUNTIES.																							
a North — a Harrogate	479	67	27th	44	27th	62·7	50·0	55·9	- 1·3	5	1·58	40	+ 25	Harrogate	3·6	- 3·1	21	0	38	56·5	+0·7	54·6	+1·6
a North — p Sheffield	439	69	28, 29	47	27th	65·6	52·4	58·5	—	7	1·44	37	—	Sheffield	3·8	- 2·4	23	0	40	59·4	+2·1	54·0	+1·5
a North — p Buxton	987	65	28th	41	27th	61·3	49·3	54·9	—	7	1·41	36	+ 15	Buxton	3·4	—	20	0	38	58·0	+0·5	53·4	+0·8
b, East — a Worksop	56	73	28th	43	27th	67·3	54·4	59·3	+ 0·3	6	0·91	23	+ 10	Worksop	3·4	- 2·4	20	0	35	59·8	—	56·1	—
b, East — a Nottingham	82	71	28th	50	27th	66·6	54·7	60·2	+ 0·7	6	1·57	40	+ 27	Nottingham	4·0	- 2·3	24	0	38	61·3	+1·7	57·7	+2·0
b, East — p Birmingham, Edgbsn.	535	69	28th	49	30th	63·7	52·3	57·6	- 1·6	7	1·60	41	+ 27	Birmingham	2·8	- 2·4	17	0	37	56·1	+1·8	51·7	+0·8
b, East — a Raunds	203	73	28th	53	30, 1	68·7	55·0	61·4	+ 1·4	5	1·38	35	+ 22	Raunds	4·5	—	27	0	48	62·4	—	55·9	—
b, East — p Oxford	208	70	28, 29	53	30, 1	65·4	55·4	60·1	- 0·2	5	1·55	39	+ 25	Oxford	2·9	- 4·0	18	0	49	•	•	•	•
														Malvern	2·7	—	16	0	46	62·0	—	58·5	—
c, West — a Cheadle (N. Staffs.)	646	68	28th	46	27th	63·3	50·7	56·6	- 1·1	7	2·73	69	+ 52	Cheadle	•	•	•	0	46	•	•	•	•
c, West — p Tenbury	313	69	28th	47	27th	65·4	52·0	58·2	- 1·0	7	1·48	38	+ 26	Tenbury	•	•	•	0	41	60·5	—	—	—
c, West — a Hereford	291	68	28, 3	50	28th	66·1	54·0	59·6	0·0	7	1·96	50	+ 37	Ross-on-Wye	2·5	—	15	0	45	—	—	—	—
c, West — a Clifton	226	68	29, 30	55	3rd	65·6	57·4	61·2	- 0·2	7	2·13	54	+ 36	Clifton	2·5	—	15	0	51	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	67	28, 29	50	30th	63·6	54·0	58·5	+ 0·4	7	2·33	59	+ 47	Worthing	4·6	- 3·8	28	0	55	64·6	+2·1	59·3	+1·6
p Wilton Ho.*	180	69	29th	51	30th	64·7	55·3	59·7	- 0·4	5	1·32	34	+ 23	Marlborough	2·4	- 3·3	15	0	48	51·2	—	56·1	—
a Wisley, Surrey	150	72	28th	51	27th	68·3	55·7	61·6	+ 1·7	5	0·40	10	+ 1	Wilton Ho.	•	•	•	0	46	63·6	•	•	•
a Tunbridge Wells	354	71	28th	53	3rd	67·3	55·3	60·9	+ 1·2	2	0·23	6	- 4	Wisley	4·0	- 3·5	24	0	47	62·9	+1·8	58·0	+0·8
a Margate	51	75	29th	53	3rd	69·9	56·6	62·8	+ 2·6	2	0·15	4	- 5	Tunbridge Wells	3·7	- 3·9	23	0	48	62·6	+1·3	58·4	—
														Margate	6·6	- 0·6	40	0	48	66·8	+6·4	62·5	+5·7
a Dungeness	21	67	29th	49	29-3	65·0	49·7	56·8	- 2·5	3	0·13	3	- 5	Folkestone	6·1	—	37	•	•	•	•	54·0	—
p St. Leonards	178	69	29th	56	30, 1, 3	65·3	56·7	60·7	+ 1·0	3	0·18	5	- 5	St. Leonards	5·8	- 2·5	36	0	53	65·2	—	59·1	—
p Southampton	64	69	28th	53	30th	65·0	56·1	60·2	- 1·2	5	0·99	25	+ 15	Southampton	3·2	- 4·6	20	0	46	•	•	•	•
a Ventnor	59	65	27, 28, 30	55	28th	63·9	56·4	59·9	- 0·5	4	0·42	11	+ 2	Ventnor	2·8	- 5·2	17	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	71	28, 29	56	2nd	69·1	58·2	63·3	+ 2·3	4	0·37	10	- 1	Richmond	3·3	- 3·9	20	0	48	62·6	+2·2	57·6	+1·5
a Westminster	27	73	28th	57	30, 2	68·8	58·1	63·1	+ 1·6	3	0·34	9	- 1	Westminster	3·7	- 2·7	22	0	50	•	•	•	•
ag Greenwich	149	76	28th	54	30th	71·6	56·7	63·6	+ 2·6	2	0·48	12	0	Greenwich	4·2	- 2·7	25	0	46	•	•	•	•
a Hampstead	450	71	28th	54	30, 1	66·7	55·7	60·8	—	4	0·43	11	—	Hampstead	3·5	—	21	—	—	•	•	•	•
ag Camden Square	110	77	28th	56	30, 2	72·6	57·7	64·6	+ 2·0	2	0·38	10	- 1	Camden Square	—	—	—	0	51	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	65	27th	47	27th	60·7	50·0	55·0	- 2·1	7	1·38	35	+ 17	Aspatria	2·8	- ·6	16	0	44	55·6	-3·2	52·5	-0·7
p Newton Rigg	569	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	68	27th	45	27th	63·7	51·4	57·1	- 0·5	6	1·58	40	+ 19	Stonyhurst	3·0	- 3·0	18	0	40	•	•	•	•
p Blackpool	66	69	27th	45	27th	63·6	52·9	57·9	- 0·1	6	1·68	43	+ 28	Blackpool	4·2	- 3·0	25	0	38	57·9	—	53·1	•
a Southport	37	69	27th	45	27th	63·6	52·4	57·6	- 0·7	7	1·80	46	+ 31	Southport	4·0	- 3·0	23	0	39	62·7	+1·1	60·0	+1·8
														Hoylake	3·1	- 3·4	19	•	•	•	•	•	•
a Liverpool (Bidston)	188	68	27th	50	27th	63·6	52·3	57·6	- 1·3	5	1·69	43	+ 28	Liverpool	2·8	—	17	0	50	•	•	•	•
a Hawarden Bridge	22	68	27th	50	27th	65·4	53·7	59·1	- 0·4	6	1·02	26	+ 13	Manchester (City)	3·2	- 2·0	19	0	45	60·9	+2·1	58·0	+1·9
p Mancnester (Whit. Pk.)	126	69	27th	44	27th	65·6	50·7	57·6	- 2·1	7	2·13	54	+ 36	Whitworth Park	2·9	- 2·4	17	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	69	27th	48	27, 29	62·4	52·0	56·8	- 2·2	5	1·86	47	+ 33	Llandudno	2·5	- 4·4	15	•	•	•	•	•	•
a Holyhead	15	61	27, 30	51	27, 29	59·1	52·0	55·3	- 2·1	6	1·97	50	+ 35	Holyhead	2·7	—	16	0	49	•	•	•	•
a Aberdovey	32	63	27, 28	53	1st	61·6	54·9	58·0	—	7	1·85	47	—	Aberdovey	1·3	- 5·1	8	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	63	28th	52	27th	60·7	55·0	57·7	—	7	1·93	49	—	Aberystwyth ..	1·3	- 5·3	8	•	•	•	•	•	•
a Rhayader	757	63	28th	48	27th	61·1	51·4	55·9	—	7	1·85	47	—	Rhayader ..	1·8	—	11	0	40	•	•	•	•
a St. Ann's Head ..	149	61	2nd	51	3rd	58·3	53·7	55·8	- 1·3	6	1·22	31	+ 19	St. Ann's Head	2·3	- 5·1	14	•	•	•	•	•	•
p Cardiff	202	66	29, 2	53	30, 3	63·3	55·0	58·9	- 0·1	7	2·24	57	+ 41	Cardiff	2·7	—	16	0	50	62·2	+1·6	57·2	+0·6
b. ENGLAND, S.W.																							
a Bath	66	69	29th	52	3rd	65·0	56·1	60·2	+ 0·6	6	1·39	35	+ 22	Bath	1·6	- 5·6	9	—	—	62·6	+2·0	58·8	+1·4
a Shaftesbury	722	65	30th	49	30, 1	61·3	52·1	56·4	- 1·8	5	2·03	52	+ 38	Shaftesbury ..	•	•	•	•	•	59·8	—	57·0	—
a Arlington	613	65	2nd	49	30th	60·4	52·7	56·3	- 1·0	7	4·02	102	+ 82										
a Newquay	190	65	29th	52	30th	61·8	54·7	58·0	- 0·5	5	1·71	44	+ 32	Newquay ..	2·3	- 5·1	14	—	—	61·7	—	57·2	—
a Cullompton	202	69	28, 29	53	1st	65·0	56·3	60·4	+ 1·1	6	1·10	28	+ 15	Cullompton ..	1·8	- 4·9	11	0	44	62·2	•	•	•
a Portland Bill	19	62	29, 30	54	27th	60·9	54·9	57·7	- 0·8	6	0·86	22	+ 13	Weymouth ..	3·7	—	23	•	•	•	•	•	•
p Plymouth	116	65	29, 30	54	30th	62·4	56·0	59·0	- 0·6	5	1·21	31	+ 17	Plymouth ..	2·9	- 4·8	17	0	51	63·2	+1·5	58·5	—
a Falmouth	167	64	28, 29, 2	51	30th	62·3	54·6	58·2	- 0·7	7	2·18	55	+ 41	Falmouth ..	2·6	- 5·3	16	0	49	62·4	—	61·0	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	65	2nd	45	29, 3	61·0	50·0	55·1	—	4	0·78	20	—	Mallarany ..	2·1	—	12	0	41	—	—	•	•
a Malin Head	208	62	27th	47	29, 30	58·1	49·6	53·6	- 1·9	4	0·47	12	- 2	Malin Head ..	4·4	—	25	•	•	•	•	•	•
a Blacksod Point ..	37	64	29th	45	29th	59·6	50·1	54·5	- 2·5	4	1·06	27	+ 10	Markree Castle	5·4	+ 0·9	32	0	40	59·2	-0·3	55·0	+0·5
p Markree Castle ..	122	65	1st	48	30, 3	62·1	49·6	55·4	- 0·9	4	0·65	17	- 2										
b, East .. *p* Armagh	196	66	28th	47	1st	62·0	49·6	55·4	- 1·7	6	1·02	26	+ 10	Armagh	3·5	- 1·3	20	0	37	58·1	-0·5	55·1	+0·2
a Donaghadee	39	65	28th	47	28, 2	59·7	48·7	53·8	- 2·7	7	1·70	43	+ 28										
10. IRELAND, S.																							
p Dublin, City	47	64	27-29	51	29, 3	62·0	52·6	57·0	- 2·3	6	1·04	26	+ 14	Trinity Coll. ..	2·1	—	13	0	42	59·0	-0·2	56·8	+1·2
a Birr Castle	175	62	28, 2, 3	44	3rd	60·9	49·9	55·0	- 2·8	6	0·95	24	+ 10	Phœnix Park ..	2·6	- 3·1	16	0	33	•	•	•	•
a Kilkenny	195	65	28th	43	29th	62·6	49·6	55·7	- 2·5	5	0·79	20	+ 6	Dublin City ..	•	•	•	0	45	•	•	•	•
a Waterford	137	67	28th	46	29th	62·7	50·6	56·2	- 2·7	3	0·92	23	+ 8	Birr Castle ..	3·3	- 1·7	19	0	37	•	•	•	•
p Seskin, Carrick-on-Suir	535	64	28th	45	3rd	60·6	49·1	54·5	—	6	1·19	30	—	Seskin	2·1	—	13	0	38	•	•	•	•
a Cahir	199	66	29th	42	29th	62·7	48·7	55·2	- 3·0	5	0·97	25	—										
a Foynes	50	62	3rd	40	28, 29, 3	60·6	51·0	55·5	- 2·8	5	1·35	34	+ 19										
a Cahirciveen (Val. Obs.)	30	60	28th	52	29-1, 3	58·9	53·0	55·7	- 2·3	5	1·26	32	+ 14	Cahirciveen ..	5·0	- 0·7	30	0	48	•	•	•	•
a Killarney	174	65	2nd	48	3rd	62·1	52·3	56·9	- 1·5	5	1·33	34	+ 18	Ballinacurra ..	3·6	- 2·4	22	•	•	•	•	•	•
a Roche's Point	32	64	3rd	50	3rd	60·6	52·1	56·1	- 2·1	6	1·18	30	+ 15										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	2nd	54	28, 30, 2, 3	61·3	54·7	57·8	- 1·0	7	1·83	46	+ 38	Scilly	2·8	- 5·4	17	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	69	29th	56	28, 3	65·0	57·0	60·7	+ 0·2	4	0·52	13	+ 4	St. Heliers ..	4·1	- 4·7	25	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	67	27, 28	54	3rd	63·9	56·1	59·7	- 0·4	4	0·60	15	+ 6	Guernsey† ..	5·2	- 3·7	32	0	46	62·0	+0·1	59·0	+0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 3rd, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	30	2	82	76	8	0	250	12	30	14	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	14	118	36	0	130	8	29	15	19	29	14	25
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	23	121	24	0	180	8	29	15	—	—	—	—
Edinburgh	485	39	31	—	—	29, 30	9	41	86	32	0	200	13	29	24	21	30	0	35
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	29, 30, 3	25	57	41	45	0	200	14	29	14	23	29	13	30
Paisley	188	81	15	—	—	—	—	31	92	45	0	200	10	29	23	22	29	23	15
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	31	63	74	0	340	8	3	8	15	29	15	30
South Shields	72	61	12	—	—	—	—	48	99	21	0	240	10	29	18	20	29	18	25
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	—	2	5	66	75	9	13	200	12	2	14	14	1	14	45
Shoeburyness	103	90	‡	—	—	—	—	130	30	8	0	{ 200	11	1	12 }	15	29	13	0
												{ 210	11	2	15 }				
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	—	—	52	101	15	0	200	9	29	14	15	29	15	5
5. ENGLAND, S.E. Brighton	261	53	6	—	—	—	—	49	80	16	23	—	9	2	5	14	2	5	30
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	28	124	16	0	210	8	2	16	14	29	16	55
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	28 to 30, 3	23	62	81	2	0	10	15	3	18	—	—	—	—
Southport	80	62	48	—	—	27 to 30, 3	15	77	73	3	0	220	14	29	16	22	29	16	10
Holyhead	60	40	‡	—	—	29, 3	19	111	34	4	0	10	14	3	11	17	3	10	40
8. ENGLAND, S.W. Pendennis Castle§ ..	250	65	24	1	1	27 to 1	56	87	24	0	0	210	18	1	18	23	1	17	45
Plymouth	185	88	2	—	—	29, 1, 2	16	89	57	6	0	—	16	1	21	19	1	21	25
Lyme Regis	556	61	‡	—	—	—	—	11	101	42	14	—	7	1	8	12	1	7	45
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	29	3	90	54	21	0	220	12	29	16	—	—	—	—
Quilty	100	40	‡	—	—	29	11	85	55	17	0	—	13	29	14	19	29	13	35
Cahirciveen (Val Obs.)	98	41	‡	—	—	29, 2, 3	22	82	58	6	0	200	14	29	5	24	29	4	40
Weaver Pt.	160	30	‡	—	—	29, 2, 3	50	64	54	0	0	—	14	29	14	22	29	14	10
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	3	3	88	66	8	3	330	11	3	12	17	29	20	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SIXTH WEEK of 1920—June 27th to July 3rd 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Temperature of the Air. At any "D.-V." Station. Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	65	39	87·9	81·7	84·5	− 0·9	75	− 10	0	0	4	0	0·62	16	− 1	7·0	+2·6	39	1006
Eastern.																			
1. SCOTLAND, EAST ...	69	31	88·8	81·5	84·9	− 1·4	80	− 17	0	0	5	+ 2	1·29	33	+ 21	5·1	−1·0	29	1007
2. ENGLAND, N.E.	73	42	91·5	84·0	87·5	+ 0·2	113	+ 3	0	0	6	+ 3	1·29	33	+ 21	4·6	−1·8	27	1008
3. ENGLAND, EAST ...	74	50	93·6	85·9	89·4	+ 1·0	137	+ 13	0	0	4	+ 1	0·61	15	+ 4	6·6	−0·7	40	1011
4. MIDLAND COUNTIES ...	73	43	91·6	84·9	88·0	− 0·1	119	− 1	0	0	6	+ 3	1·69	43	+ 29.	3·2	−3·3	19	1010
5. ENGLAND, S.E.	75	49	92·0	86·0	88·8	+ 0·2	129	+ 3	0	0	4	+ 2	0·65	17	+ 7	4·3	−3·6	26	1012
Western.																			
6. SCOTLAND, WEST ...	65	38	88·8	82·8	85·6	− 1·1	88	− 14	0	0	6	+ 2	1·78	45	+ 28	3·0	−3·0	17	1007
7. ENGLAND, N.W.	69	44	90·2	84·1	86·9	− 0·5	105	− 7	0	0	6	+ 3	1·67	42	+ 25	2·8	−3·5	16	1008
8. ENGLAND, S.W.	69	48	89·7	85·4	87·4	− 0·3	111	− 5	0	0	6	+ 3	1·81	46	+ 31	2·1	−5·0	13	1011
9. IRELAND, NORTH ...	66	44	88·8	82·8	85·6	− 1·1	88	− 15	0	0	5	+ 1	0·98	25	+ 8	4·5	−0·3	26	1006
10. IRELAND, SOUTH ...	67	42	89·4	83·6	86·3	− 1·3	97	− 17	0	0	5	+ 1	1·09	28	+ 13	3·6	−1·9	22	1009
11. ENGLISH CHANNEL ...	69	54	90·4	86·3	88·2	− 0·1	122	− 4	0	0	5	+ 2	0·98	25	+ 16	4·0	−4·6	25	1013

THE SEASON (Summer).—Aggregates, &c., for the Period of 5 Weeks, May 30th to July 3rd, 1920.

0. SCOTLAND, NORTH ...	79	36	88·7	81·2	84·7	+ 0·5	389	+ 26	0	− 2	13	− 6	1·89	49	− 30	7·9	+2·7	44	1015
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·6	80·7	84·8	− 0·1	397	− 9	3	+ 2	13	− 3	2·10	53	− 10	7·2	+1·1	41	1015
2. ENGLAND, N.E.	79	31	90·8	82·5	86·4	+ 0·6	493	+ 39	0	0	14	− 1	2·24	58	0	6·9	+0·7	41	1016
3. ENGLAND, EAST ...	80	35	92·1	83·4	87·4	+ 0·6	561	+ 40	0	0	12	− 3	1·86	46	− 11	7·3	+0·4	44	1017
4. MIDLAND COUNTIES ...	81	32	91·9	82·5	86·9	+ 0·2	524	+ 12	0	0	17	+ 2	3·95	100	+ 36	5·5	−0·7	33	1016
5. ENGLAND, S.E.	78	33	92·0	83·6	87·5	+ 0·3	563	+ 19	0	0	12	− 2	2·41	61	+ 6	6·7	−0·5	41	1017
Western.																			
6. SCOTLAND, WEST ...	80	36	90·2	82·4	86·0	+ 0·3	469	+ 18	0	0	18	0	3·62	92	+ 7	5·9	−0·4	35	1016
7. ENGLAND, N.W.	80	35	90·5	83·1	86·5	+ 0·3	503	+ 20	0	0	18	+ 2	3·78	95	+ 24	5·4	−1·1	32	1016
8. ENGLAND, S.W.	75	33	90·6	83·5	86·8	+ 0·2	521	+ 11	0	0	18	+ 2	3·76	96	+ 28	5·7	−1·1	35	1017
9. IRELAND, NORTH ...	70	35	89·5	82·4	85·7	0·0	447	− 2	0	0	19	− 1	2·78	71	− 9	5·4	−0·2	32	1014
10. IRELAND, SOUTH ...	74	35	90·4	83·1	86·5	0·0	498	− 5	0	0	17	0	2·45	62	− 15	5·9	−0·1	35	1015
11. ENGLISH CHANNEL ...	70	40	90·4	85·0	87·5	+ 0·3	566	+ 20	0	0	14	− 1	2·83	72	+ 18	7·3	−0·7	45	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 26 Weeks, January 4th to July 3rd, 1920.

0. SCOTLAND, NORTH ...	79	19	83·1	76·8	79·8	+ 0·6	818	+ 73	387	−152	121	+ 2	32·20	817	+223	4·0	+0·6	31	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	83·7	76·4	79·9	+ 0·6	880	+ 27	456	−161	109	+ 8	15·61	397	+ 54	4·3	+0·3	34	1009
2. ENGLAND, N.E.	79	24	84·9	77·7	81·2	+ 1·2	1187	+238	280	−192	102	+10	14·35	367	+ 98	4·2	−0·1	33	1012
3. ENGLAND, EAST ...	84	20	86·2	78·2	82·1	+ 1·7	1433	+306	270	−224	90	0	10·15	259	− 4	4·7	+0·1	37	1015
4. MIDLAND COUNTIES ...	82	20	86·3	78·0	81·8	+ 1·4	1331	+187	263	−259	107	+18	17·61	446	+146	3·7	−0·4	29	1014
5. ENGLAND, S.E.	81	17	86·3	79·0	82·5	+ 1·4	1497	+282	166	−213	95	+ 8	12·18	311	+ 17	4·4	−0·3	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	84·1	77·8	80·8	+ 0·6	1045	+ 80	269	−147	130	+22	26·89	685	+160	3·5	−0·6	27	1011
7. ENGLAND, N.W.	81	22	84·8	78·6	81·6	+ 1·1	1204	+179	187	−195	117	+21	22·84	579	+203	3·6	−0·6	28	1012
8. ENGLAND, S.W.	78	17	85·4	79·1	82·2	+ 1·1	1338	+170	131	−170	116	+20	21·36	541	+120	3·9	−0·6	31	1015
9. IRELAND, NORTH ...	77	23	84·6	77·9	81·1	+ 0·5	1131	+106	241	− 99	132	+15	20·15	513	+ 83	3·6	−0·3	28	1010
10. IRELAND, SOUTH ...	78	22	85·4	78·8	82·0	+ 0·5	1303	+ 75	145	−115	125	+21	22·25	563	+105	3·8	−0·5	30	1013
11. ENGLISH CHANNEL ...	75	29	86·0	81·0	83·4	+ 1·0	1623	+251	20	− 85	98	− 3	14·04	354	+ 7	4·9	−0·5	39	1016
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: July 9th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

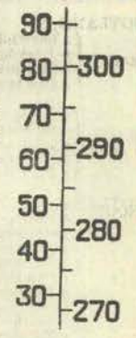
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 27.

TWENTY-SEVENTH WEEK, SUNDAY, JULY 4TH TO SATURDAY, JULY 10TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure was relatively high between the Azores and western Europe and also over Scandinavia, while areas of low pressure were persistent in the neighbourhood of the British Isles throughout the week. The weather was generally dull and rainy, with local thunderstorms and some hail; temperature was low. At some stations in the Metropolitan area and locally at Fort William temperature rose on Sunday to 295 a; this was followed on Monday by a considerable fall of temperature over England generally, the maximum for the civil day in some places being no higher than 283 a. At Balmoral on the 4th the minimum in the screen went down to 273 a, and at other Scottish stations on different days grass minima as low as 270 a were recorded. The mean for the week was below the normal in all districts, the deficiency ranging between 1·3 a in Scotland N. and 2·7 a in the Midland Counties. Rainfall exceeded the normal in all parts of the United Kingdom; the excess was only small, 3mm. in Scotland N., but it was considerable over the British Isles generally, and very large over the southern English districts; at many stations in England S.E., the aggregate for the three days, July 4th–6th, exceeded 40mm., Kew 41mm., Wisley and Westbourne 49mm., South Farnborough and Bognor 51mm., and Brighton 54mm. In Scotland N. the daily mean of bright sunshine was more than the normal, but with that exception it was less in all districts, the largest deficit being 4·5 hr. in England S.E.; at several stations in the Midland and Southern Counties there was less than 2 hr. per day, representing only about 11 per cent. of the possible. Solar halos were seen at Aberdeen on the 4th and at Oxford on the 8th, 9th and 10th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	2·6	13	2·8	20	5·7	16	4·0	11	4·9	7	3·5	13	3·4	7	4·0
North	15	4·4	9	2·5	5	2·8	7	2·0	15	4·5	21	4·1	12	4·6	16	5·9
West	11	2·6	9	2·6	18	4·1	16	2·4	17	2·9	27	4·4	14	5·6	22	3·4
East	14	3·2	13	2·4	4	3·0	5	1·2	10	4·7	1	2·8	9	3·5	2	1·4
Calm	2	—	4	—	1	—	3	—	0	—	0	—	1	—	4	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Very deficient	Deficient	Very deficient	Very deficient	Very deficient	Deficient	Deficient	Deficient	Very deficient	Deficient	Very deficient
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Very heavy	Very heavy	Moderate	Heavy	Very heavy	Moderate	Heavy	Heavy
	Sunshine ...	Abundant	Scanty	Very scanty	Very scanty	Very scanty	Very scanty	Scanty	Very scanty	Very scanty	Moderate	Moderate	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 6 weeks from May 30th, 1920.	Warmth ...	1, 3, 2	1, 2, 3	3, 1, 2	4, 0, 2	1, 3, 2	1, 3, 2	1, 3, 2	1, 4, 1	1, 2, 3	1, 3, 2	0, 4, 2	2, 3, 1
	Rainfall ...	0, 4, 2	2, 2, 2	2, 2, 2	2, 2, 2	4, 0, 2	4, 1, 1	1, 4, 1	4, 0, 2	4, 1, 1	1, 3, 2	2, 3, 1	4, 1, 1
	Sunshine ...	4, 1, 1	2, 2, 2	2, 2, 2	2, 2, 2	0, 3, 3	0, 4, 2	1, 1, 4	1, 1, 4	1, 1, 4	1, 2, 3	1, 3, 2	1, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29253—19) Wt. 24—561/P 25 500 7/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.					Grass Min.		Earth 1 ft.		Earth 4 ft	
						Of Daily Max.	Of Daily Min.	Daily Mean.							Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	60	7, 10	43	4th	57·9	48·0	52·6	+ 0·6	4	1·54	39	+ 26										
p Deerness, Orkney ..	105	59	4, 7	45	4, 5	55·7	48·0	51·6	—	4	0·56	14	0	Deerness ..	5·7	+ 1·2	31	•	•	•	•	•	•
a Stornoway	51	65	9th	41	4th	61·7	47·6	54·2	+ 0·1	3	0·47	12	- 5	Stornoway ..	7·1	+ 2·3	40	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	64	9th	48	4, 6, 7	58·6	50·3	54·2	—	4	0·87	22	—	Castlebay ..	6·5	—	37						
b, Mainland. a Wick	81	58	10th	38	5th	55·3	46·0	50·3	- 3·5	4	1·00	25	+ 10										
a Strathpeffer	125	68	5th	35	4th	62·7	42·9	52·1	- 4·3	5	0·75	19	+ 5										
p Glencarron	500	68	5th	36	4th	61·3	43·6	51·8	- 2·6	5	0·57	14	- 16										
a Fort Augustus.. ..	82	61	10th	37	4th	59·1	44·4	51·2	- 3·9	6	1·12	28	+ 12										
p Fort William	171	71	4th	41	4, 7	64·3	44·7	53·8	- 3·0	6	0·49	12	- 15										
1. SCOTLAND, E.																							
a Nairn	82	65	9th	37	4th	60·1	42·4	50·6	- 5·5	6	1·12	28	+ 14	Nairn	5·1	—	28	•	•	•	•	•	•
p Gordon Castle ..	101	66	9, 10	41	5th	60·9	45·3	52·6	- 3·6	6	1·20	30	+ 13	Gordon Castle..	5·4	—	30	•	•	•	•	•	•
a Aberdeen	46	62	10th	43	7th	58·3	47·9	52·7	- 3·2	4	1·31	33	+ 18	Aberdeen ..	4·0	+ 1·3	23	0	36	•	•	52·9	+0·9
a Balmoral	930	64	4th	32	4, 7	57·9	39·1	47·9	- 6·3	7	1·27	32	+ 18	Balmoral ..	•	•	•	3	26	•	•	•	•
p Crieff	432	67	4th	40	6th	61·0	44·6	52·2	- 5·5	7	1·37	35	+ 18	Crathes	3·3	- 1·9	19	0	34	56·5	- 1·0	53·9	+0·8
a Dundee	344	65	4th	37	4th	61·0	45·4	52·7	- 5·0	6	0·58	15	0	Dundee	3·0	—	17	1	29	57·1	•	•	•
a Leith	30	64	10th	44	7th	61·7	49·4	55·1	- 2·9	7	1·01	26	+ 12	Leith	•	•	•	0	39	•	•	•	•
p Edinburgh	441	63	10th	45	4th	59·3	48·6	53·6	- 2·6	7	0·76	19	+ 5	Edinburgh ..	3·0	- 2·5	18	0	36	•	•	•	•
a West Linton	789	60	10th	35	7th	58·4	43·1	50·2	- 4·1	6	1·55	39	—	West Linton ..	2·8	—	16	0	32	•	•	•	•
p Marchmont	498	62	10th	45	5th	58·4	46·1	51·8	- 4·2	5	1·06	27	+ 10	Marchmont .	3·2	- 2·3	18	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	65	4, 5	38	5th	62·4	44·6	52·9	—	6	0·55	14	—	Ford (Argyll) ..	•	•	•	1	30	58·3	—	54·1	—
p Glasgow Observatory	180	68	4th	45	4th	61·9	49·3	55·2	- 2·2	6	1·17	30	+ 15	Glasgow.. ..	4·1	- 1·0	24	0	32	•	•	•	•
p Rothesay	200	67	5th	40	4th	61·1	46·9	53·5	- 3·5	6	0·77	20	0	Rothesay ..	4·8	—	28	0	36	57·1	—	54·0	-0·3
a Kilmarnock	90	68	4, 5	38	4th	63·7	47·0	54·8	- 1·7	6	0·69	18	+ 2	Kilmarnock ..	4·5	—	26	•	•	56·7	—	53·8	—
a Colmonell	170	64	5th	44	4th	61·7	49·0	54·9	- 1·0	6	0·92	23	+ 7	Colmonell ..	•	•	•	0	38	•	•	•	•
p Cally, Gatehouse ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Dumfries ..	2·9	—	17	0	40	57·5	-3·1	54·4	-3·0
p Dumfries	160	62	5, 7	45	4th	61·1	49·3	54·8	- 3·5	5	0·65	16	+ 1	Eskdalemuir ..	2·9	—	17	0	31	•	•	•	•
a Eskdalemuir	794	60	6th	36	7th	57·9	45·7	51·4	—	6	1·19	30	—										
b, I. OF MAN p Douglas	277	63	5th	50	4, 9	59·3	50·7	54·7	- 2·1	7	1·33	34	+ 19	Douglas	3·7	- 3·3	22	0	47	•	•	•	•
2. ENGLAND, N.E.		—	—	—	—	—	—	—	—	—	—	—	—										
a North .. a Alnwick Castle ..	210	63	9th	46	6, 7	56·9	49·1	52·7	- 4.2	7	1·59	40	+ 28	Cockle Park ..	2·2	- 3·9	13	—	—	53·2	-4·4	53·5	-0·5
a Tynemouth	118	66	8th	45	7th	59·0	47·7	53·0	- 4·8	7	1·13	29	+ 16	Durham	2·6	- 3·3	15	0	36	•	•	•	•
p Durham	336	66	8th	45	7th	59·3	48·6	53·6	- 3·5	7	1·37	35	+ 20	Rounton	•	•	•	0	33	56·2	•	•	•
p Rounton	249	66	8th	45	7th	57·7	48·4	52·7	—	7	1·85	47	—	West Witton .	•	•	•	0	42	54·9	—	53·1	—
a West Witton	605	64	8th	45	7th	57·7	48·4	52·7	—	7	1·85	47	—										
p Scarborough	100	66	8, 10	48	6th	60·7	51·0	55·5	- 2·7	7	1·61	41	+ 29	Scarborough† ..	2·9	- 3·3	17	•	•	•	•	58·0	—
p York	56	66	8th	48	5, 7	60·9	50·1	55·1	- 4·6	7	1·63	41	+ 28	York	3·1	- 2·9	18	—	—	57·7	-0·9	55·6	+0·7
b, South .. a Spurn Head	26	65	9th	50	5, 7, 8, 10	60·7	51·1	55·6	- 3·1	5	0·52	13	+ 4	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	68	8th	48	5, 10	63·1	51·1	56·7	- 3·7	7	0·54	14	+ 2	Lincoln	•	•	•	0	46	58·8	-1·0	56 8	+1·2
a Fulbeck	180	65	8th	47	5, 6	61·6	50·6	55·7	- 4·2	6	0·41	11	- 1	Fulbeck	2·8	- 4·3	17	•	•	—	—	—	—
														Skegness ..	3·3	- 4·1	20	•	•	—	—	•	•
3. ENGLAND, E.																							
p Cromer	196	68	8, 9, 10	47	6, 10	63·9	48·9	55·9	- 3·0	6	0·68	17	+ 6	Cromer	4·0	- 3·0	24	•	•	•	•	•	•
a Little Massingham ..	280	66	8, 9	45	10th	61·1	47·6	53·9	- 5·8	6	0·97	25	+ 13	Lit. Massingham	3·4	- 3·3	21	•	•	•	•	•	•
a Yarmouth	13	68	9, 10	50	6th	63·3	52·3	57·4	- 2·0	7	0·93	24	+ 14	Yarmouth ..	4·4	—	27	0	47	61·1	-1·9	58·9	-0·1
a Norwich	93	67	8, 9	49	10th	63·3	51·4	56·9	- 3·2	6	0·88	22	+ 10	Norwich ..	4·2	—	25	0	46	61·5	•	•	•
a Geldeston	37	68	8th	47	6th	64·6	50·0	56·8	- 2·9	5	0·86	22	+ 12	Geldeston ..	3·9	- 3·3	23	•	•	•	•	•	•
p Cambridge	41	68	4th	42	5th	63·4	47·7	55·0	- 5·7	6	1·39	35	+ 25	Cambridge ..	3·8	- 3·2	23	0	43	61·3	-0·4	59·2	+1·2
a Clacton-on-Sea ..	54	67	9th	51	5, 6	63·0	54·1	58·2	- 1·9	6	0·61	16	+ 7	Clacton	4·1	- 3·4	25	0	50	60·6	+0·3	59·4	+1·4
a Rothamsted	424	64	4th	47	5, 6, 10	60·7	48·4	54·1	- 5·5	6	1·67	42	+ 31	Rothamsted ..	3·8	- 3·2	23	0	36	58·3	•	•	•
p Tottenham	51	71	4th	51	5, 6	63·7	53·1	58·0	—	6	1·02	26	—	Tottenham ..	3·0	—	18	0	48	•	•	60·2	+1·1
														S'thend-on-Sea	3·5	—	21	0	48	62·5	+0·1	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	64	8th	45	5th	59·0	48·4	53·3	- 4·3	7	1·94	49	+ 36	Harrogate ..	3·3	- 3·3	20	0	41	54·8	-1·5	54·1	-0·2
p Sheffield	429	63	8th	47	5th	59·1	49·7	54·1	—	7	1·33	34	—	Sheffield.. ..	2·7	- 3·7	18	0	41	56·5	-1·2	54·3	+1·1
p Buxton	987	60	8th	42	7th	55·9	46·6	50·9	—	7	1·41	36	+ 18	Buxton	2·2	—	13	0	38	55·0	-2·7	53·7	+0·4
b, East .. a Worksop	56	67	8th	46	7th	61·9	50·0	55·5	- 4·0	6	0·70	18	+ 8	Worksop ..	2·5	- 3·3	15	0	39	57·7	—	55·8	—
a Nottingham	82	65	8th	47	10th	61·0	50·1	55·2	- 4·8	7	1·15	29	+ 18	Nottingham ..	1·8	- 4·5	11	0	35	57·6	-2·3	57·3	+1·1
p Birmingham, Edgbsn.	535	63	9th	47	8th	59·1	49·0	53·7	- 6·0	7	1·10	28	+ 17	Birmingham ..	1·1	- 4·2	7	0	39	53·2	-1·6	51·9	+0·5
a Raunds	203	65	6, 7	47	4–6, 10	61·9	48·4	54·7	- 5·9	7	1·19	30	+ 19	Raunds	3·0	—	18	0	40	60·9	—	56·1	—
p Oxford	208	65	4th	48	5, 8	60·6	49·9	54·9	- 6·0	7	1·66	42	+ 31	Oxford	2·3	- 4·6	14	0	41	•	•	•	•
														Malvern ..	1·8	—	11	0	39	53·6	—	58·2	—
a Cheadle (N. Staffs.) ..	646	61	8th	46	10th	58·4	48·1	52·9	- 5·2	7	0·84	21	+ 7	Cheadle	•	•	•	0	43	•	•	•	•
c, West .. p Tenbury	313	66	6th	40	8th	62·1	48·3	54·7	- 5·0	6	1·65	42	+ 33	Tenbury	•	•	•	0	36	58·0	—	—	—
a Hereford	291	69	10th	44	8th	61·9	49·0	55·0	- 5·0	7	1·51	38	+ 28	Ross-on-Wye ..	2·0	—	12	0	41	—	—	—	—
a Clifton	228	68	7th	43	8th	63·3	51·4	56·9	- 5·0	7	1·75	44	+ 29	Clifton	3·1	—	19	0	41	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	65	6th	44	8th	61·1	49·1	54·7	- 3·8	7	1·94	49	+ 36	Worthing ..	3·4	- 4·6	21	0	49	61·6	-1·6	59·6	+1·2
p Wilton Ho.*	180	65	6, 9	45	8th	61·0	50·3	55·3	- 5·3	6	2·82	72	+ 60	Marlborough ..	1·8	- 4·7	11	0	40	58·5	—	56·4	—
a Wisley, Surrey ..	160	67	9th	49	6th	63·4	50·9	56·7	- 3·8	6	2·30	58	+ 48	Wilton Ho. ..	•	•	•	0	41	60·7	•	•	•
a Tunbridge Wells ..	354	68	4th	48	4th	63·0	50·0	56·1	- 4·1	7	1·62	41	+ 30	Wisley	2·7	- 4·5	16	0	40	60·0	-1·7	58·1	+0·4
a Margate	51	69	9th	50	6th	64·9	52·7	58·4	- 2·4	5	0·77	20	+ 10	Tunbridge Wells	2·7	- 4·5	17	0	46	60·4	-1·6	58·5	—
														Margate	4·4	- 2·5	27	0	48	64·3	+3·2	62·5	+5·1
a Dungeness	21	64	8, 9, 10	40	4th	61·9	45·4	53·1	- 6·8	5	0·83	21	+ 12	Folkestone ..	3·9	—	24	•	•	•	•	54·6	—
p St. Leonards	178	64	4, 9, 10	49	6th	62·1	53·0	57·2	- 3·0	7	1·85	47	+ 36	St. Leonards ..	3·1	- 4·9	19	0	48	62·1	—	59·6	—
p Southampton	64	67	6th	51	5, 6, 8	62·1	51·9	56·6	- 5·3	7	2·23	57	+ 46	Southampton ..	2·2	- 5·3	13	0	43	•	•	•	•
a Ventnor	59	66	4th	51	5th	62·3	53·1	57·4	- 3·4	6	2·09	53	+ 43	Ventnor	2·8	- 5·0	17	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	67	4th	50	6th	63·4	51·7	57·1	- 4·4	6	1·94	49	+ 38	Richmond ..	2·7	- 4·2	16	0	39	59·5	-1·5	57·6	+1·0
a Westminster	27	71	4th	50	6th	64·7	52·1	58·0	- 4·0	6	1·13	29	+ 18	Westminster ..	2·8	- 3·4	17	0	45	•	•	•	•
ag Greenwich	149	71	4th	48	4th	66·1	49·7	57·3	- 4·7	6	1·23	31	+ 18	Greenwich ..	3·3	+ 4·0	20	0	40	•	•	•	•
a Hampstead	450	66	9th	48	5, 6	61·6	50·1	55·5	—	6	1·48	38	—	Hampstead ..	2·9	—	18	—	—	•	•	•	•
ag Camden Square ..	110	74	4th	48	6th	67·1	50·7	58·3	- 2·7	6	1·26	32	+ 20	Camden Square	—	—	—	0	46	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	7, 8	46	8th	59·6	48·4	53·6	- 3·7	6	1·20	30	+ 15	Aspatria.. ..	2·4	- 4·1	14	0	44	54·7	-5·0	52·3	-1·5
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	66	6th	46	7th	60·7	50·7	55·4	- 2·5	7	1·27	32	+ 15	Stonyhurst ..	2·7	- 3·5	16	0	43	•	•	•	•
p Blackpool	66	67	8th	50	5, 7	61·4	51·7	56·2	- 2·2	7	1·03	26	+ 13	Blackpool ..	3·2	- 4·2	19	0	47	57·0	—	53·4	—
a Southport	37	63	10th	50	5, 7, 10	60·9	51·3	55·8	- 2·8	6	0·76	19	+ 6	Southport ..	3·1	- 4·1	19	0	47	60·2	-2·2	59·5	+0·6
														Hoylake ..	3·5	- 3·3	21	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	66	10th	50	4, 5, 7	60·1	50·9	55·2	- 4·0	7	0·95	24	+ 12	Liverpool ..	3·2	—	19	0	46	•	•	•	•
a Hawarden Bridge ..	22	67	10th	50	5th	61·9	51·6	56·4	- 3·4	6	0·81	21	+ 11	Manchester (City)	2·9	- 2·3	17	0	47	58·9	-0·5	58·4	+1·7
p Manchester (Whit. Pk.)	125	66	8th	48	7th	61·1	50·4	55·4	- 4·6	6	1·68	43	+ 28	Whitworth Park	2·7	- 2·7	16	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	65	10th	50	7th	60·6	51·9	56·0	- 3·3	6	0·67	17	+ 6	Llandudno ..	3·2	- 3·9	19	•	•	•	•	•	•
a Holyhead	15	61	5–7, 10	50	4, 5	60·3	51·1	55·4	- 2·3	7	0·83	21	+ 9	Holyhead ..	3·4	—	20	0	50	•	•	•	•
a Aberdovey	22	64	8th	52	5, 7, 8, 10	61·0	52·6	56·5	—	6	1·18	30	—	Aberdovey ..	3·6	- 3·0	22	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	-F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	63	8th	49	8th	60·4	51·7	55·8	—	7	1·04	26	—	Aberystwyth ..	4·0	- 2·7	24	•	•	•	•	•	•
a Rhayader	767	62	10th	43	8th	58·4	48·6	53·2	—	7	1·04	26	—	Rhayader ..	2·3	—	14	0	34	•	•	•	•
a St. Ann's Head ..	149	61	8th	50	8th	59·1	51·9	55·3	- 2·4	6	1·42	36	+ 25	St. Ann's Head	5·0	- 2·5	31	•	•	•	•	•	•
p Cardiff	202	65	4th	50	7, 8, 10	62·0	51·3	56·3	- 3·3	7	1·24	31	+ 18	Cardiff	3·7	—	23	0	47	60·2	-0·9	57·5	+0·5
b. ENGLAND, S.W.																							
a Bath	66	67	6th	48	8th	62·4	51·7	56·7	- 3·6	7	1·88	48	+ 37	Bath	2·3	- 5·1	14	—	—	60·6	-1·1	59·0	+1·0
a Shaftesbury	722	64	10th	47	8th	59·9	48·1	53·6	- 5·4	7	2·51	64	+ 53	Shaftesbury ..	•	•	•	•	•	56·8	—	56·6	—
a Arlington	613	63	7th	48	7, 8	60·9	50·3	55·2	- 2·7	6	3·26	83	+ 66										
a Newquay	190	63	5th	50	7, 8	60·4	52·8	56·3	- 2·8	6	1·92	49	+ 39	Newquay ..	4·7	- 2·9	29	—	—	60·3	—	57·3	—
a Cullompton	202	68	4, 7	49	8th	65·7	52·3	58·5	- 1·4	7	2·46	63	+ 51	Cullompton ..	2·6	- 4·1	16	0	44	60·0	•	•	•
a Portland Bill	19	63	4, 10	52	7th	60·9	53·7	57·1	- 2·2	6	1·30	33	+ 26	Weymouth ..	3·3	—	20	•	•	•	•	•	•
p Plymouth	116	65	5th	51	8th	62·9	53·3	57·8	- 2·5	6	1·69	43	+ 31	Plymouth ..	4·1	- 3·4	25	0	50	61·2	-1·6	58·4	—
a Falmouth	167	68	5th	49	8th	62·7	52·1	57·0	- 2·6	6	1·50	38	+ 26	Falmouth ..	5·1	- 2·9	31	0	47	62·2	—	60·6	—
c. IRELAND, N.																							
West .. *a* Mallarany	120	65	9th	45	4th	62·0	49·7	55·4	—	4	0·67	17	—	Mallarany ..	2·2	—	13	0	40	—	—	•	•
West .. *a* Malin Head ..	208	59	10th	49	7th	57·3	50·4	53·6	- 2·5	6	0·83	21	+ 9	Malin Head ..	5·0	—	29	•	•	•	•	•	•
West .. *a* Blacksod Point ..	37	61	4, 10	43	4th	59·6	49·9	54·4	- 3·0	4	0·67	17	+ 3	Markree Castle	4·5	- 0·4	27	0	34	59·6	-0·1	55·4	+0·4
West .. *p* Markree Castle ..	122	66	5th	44	4th	62·4	48·4	54·9	- 1·8	6	1·31	33	+ 18										
b. East .. *p* Armagh	196	67	5th	40	5th	62·7	46·7	54·1	- 3·5	5	0·85	22	+ 10	Armagh	3·9	- 1·2	23	0	31	58·6	-0·9	55·3	-0·2
b. East .. *a* Donaghadee	39	63	10th	46	6, 7	53·4	48·1	52·9	- 4·0	4	1·19	30	+ 18										
10. IRELAND, S.																							
p Dublin, City	47	67	10th	48	5th	62·4	50·3	55·9	- 3·7	6	1·64	42	+ 31	Trinity Coll. ..	4·9	—	29	0	40	59·4	-0·6	56·5	+0·5
a Birr Castle	175	67	4th	41	4th	62·3	48·6	55·0	- 3·0	5	0·91	23	+ 10	Phœnix Park ..	5·8	- 0·1	35	0	33	•	•	•	•
a Kilkenny	195	68	10th	45	4, 5	63·9	48·7	55·8	- 2·8	6	1·45	37	+ 24	Dublin City ..	•	•	•	0	44	•	•	•	•
a Waterford	137	68	4th	47	4th	63·4	49·7	56·1	- 3·1	3	1·05	27	+ 13	Birr Castle ..	4·5	- 0·5	27	0	34	•	•	•	•
p Seskin, Carrick-on-Suir	535	67	5th	44	4th	62·4	47·1	54·2	—	5	1·79	46	—	Seskin	4·4	—	27	0	42	•	•	•	•
a Cahir	199	69	4th	42	5th	63·1	48·0	55·0	- 3·5	6	1·03	26	—										
a Foynes	50	66	4, 5	47	4th	61·9	51·0	56·1	- 2·4	6	0·83	21	+ 7										
a Cahirciveen (Val. Obs.)	30	61	5, 10	50	4, 7	58·7	51·9	55·1	- 3·1	3	0·79	20	+ 3	Cahirciveen ..	3·9	- 1·7	24	0	44	•	•	•	•
a Killarney	174	69	5th	45	4th	63·1	50·6	56·4	- 2·2	6	0·68	17	+ 2	Ballinacurra ..	4·1	- 2·0	25	•	•	•	•	•	•
a Roche's Point	32	67	4th	49	4th	61·0	51·4	55·9	- 2·6	6	1·56	40	+ 27										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	5, 10	50	8th	60·6	53·1	56·6	- 2·9	6	1·61	41	+ 29	Scilly	4·7	- 3·0	29	•	•	•	•	•	•
a Jersey, St. Aubins ..	26	65	10th	53	7th	62·3	54·6	58·2	- 3·0	6	0·84	21	+ 9	St. Heliers ..	4·3	- 4·2	27	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	64	7th	52	7th	62·0	54·6	58·0	- 2·8	4	0·99	25	+ 13	Guernsey† ..	5·3	- 3·3	33	0	46	59·4	-3·1	59·0	-0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 10th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	3	1	46	109	12	0	350	12	3	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	76	15*	—	—	—	—	—	108	60	0	130	4	10	15	11	4	14	15
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	7	133	28	0	40	6	8	12	—	—	—	—
Edinburgh	486	39	31	—	—	—	—	17	121	30	0	190	9	10	24	13	10	18	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	4	3	48	80	37	0	30	11	4	1	18	4	0	30
Paisley	188	81	15	—	—	—	—	8	98	62	0	310	7	6	11	13	6	12	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	42	98	28	0	160	11	8	15	16	8	14	50
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	8	6	76	55	1	0	190	12	8	12	17	8	11	15
Shoeburyness	103	90	‡	—	—	8	10	96	61	1	0	180	14	8	14	18	8	13	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	49	113	4	2	160	10	8	15	17	8	16	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	8	2	81	54	31	0	—	11	8	11	19	8	11	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.) ..	82	65	22	—	—	—	—	28	111	29	0	170	8	8	13	17	8	13	30
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	4, 6	5	73	81	9	0	20	13	4	1	—	—	—	—
Southport	80	62	48	—	—	9	3	86	76	3	0	250	12	9	14	16	9	13	45
Holyhead	60	40	‡	—	—	4, 7, 10	10	77	81	0	0	30	13	4	3	17	4	2	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	4, 7 to 10	34	107	27	0	0	160	14	7	7	20	8	3	30
Plymouth	185	88	2	—	—	7, 8, 10	10	70	79	9	0	—	14	10	8	18	10	8	30
Lyme Regis	556	61	‡	—	—	—	—	14	93	45	16	—	10	7	12	15	7	12	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	7 to 9	17	75	63	13	0	230	13	9	9	—	—	—	—
Quilty	100	40	‡	—	—	8	4	78	56	32	0	—	11	8	20	15	8	19	25
Cahirciveen (Val. Obs.)	98	41	‡	—	—	7, 8	10	82	65	11	0	350	12	7	17	17	7	23	45
Weaver Pt.	160	30	‡	—	—	7, 8	9	99	51	9	0	—	12	7	23	17	8	5	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	7	7	85	73	3	0	320	16	7	24	22	7	23	40

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920
* Above tops of trees
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-SEVEN WEEK of 1920—July 4th to July 10th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal.	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	71	35	88·7	80·4	84·3	− 1·3	72	− 14	0	0	5	+ 1	0·85	22	+ 3	6·4	+2·1	35	1011
Eastern.																			
1. SCOTLAND, EAST ...	67	32	88·3	80·1	83·9	− 2·6	67	− 31	0	0	6	+ 2	1·24	31	+ 15	3·6	−1·7	21	1010
2. ENGLAND, N.E.	68	45	88·7	82·9	85·6	− 2·0	89	− 24	0	0	7	+ 4	1·10	28	+ 15	2·8	−3·7	17	1009
3. ENGLAND, EAST ...	71	42	90·2	83·2	86·4	− 2·1	99	− 26	0	0	6	+ 3	1·00	25	+ 14	3·8	−3·3	23	1011
4. MIDLAND COUNTIES ...	69	40	89·1	82·6	85·6	− 2·7	89	− 33	0	0	7	+ 4	1·35	34	+ 23	2·4	−4·2	14	1010
5. ENGLAND, S.E.	68	40	89·9	83·4	86·5	− 2·3	100	− 30	0	0	6	+ 3	1·84	47	+ 36	3·0	−4·5	18	1011
Western.																			
6. SCOTLAND, WEST ...	68	38	89·4	81·9	85·4	− 1·5	87	− 18	0	0	6	+ 2	0·87	22	+ 5	3·9	−2·3	23	1009
7. ENGLAND, N.W.	67	46	88·9	83·4	86·0	− 1·6	94	− 20	0	0	7	+ 4	1·04	26	+ 13	3·1	−3·4	18	1009
8. ENGLAND, S.W.	68	43	89·4	83·7	86·4	− 1·7	99	− 21	0	0	7	+ 4	1·83	46	+ 33	3·8	−3·3	23	1010
9. IRELAND, NORTH ...	67	40	88·8	82·3	84·8	− 2·1	78	− 27	0	0	5	+ 1	0·96	24	+ 11	4·2	−0·9	25	1010
10. IRELAND, SOUTH ...	69	41	89·8	83·0	86·2	− 1·6	96	− 20	0	0	5	+ 2	1·10	28	+ 14	4·6	−1·0	28	1012
11. ENGLISH CHANNEL ...	65	50	89·4	85·3	87·2	− 1·5	109	− 19	0	0	5	+ 2	1·15	29	+ 17	4·8	−3·5	29	1013

THE SEASON (Summer).—Aggregates, &c., for the Period of 6 Weeks, May 30th to July 10th, 1920.

0. SCOTLAND, NORTH ...	79	35	88·7	81·1	84·7	+ 0·2	461	+ 12	0	− 2	18	− 5	2·74	71	− 27	7·6	+2·6	42	1014
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·4	80·6	84·6	− 0·6	464	− 40	3	+ 2	19	− 1	3·34	84	+ 5	6·6	+0·7	38	1015
2. ENGLAND, N.E.	79	31	90·5	82·6	86·3	+ 0·2	582	+ 15	0	0	21	+ 3	3·34	86	+ 15	6·3	0·0	37	1015
3. ENGLAND, EAST ..	80	35	91·8	83·4	87·3	+ 0·2	660	+ 14	0	0	18	0	2·86	71	+ 3	6·7	−0·2	40	1016
4. MIDLAND COUNTIES ...	81	32	91·4	82·5	86·7	− 0·2	613	− 21	0	0	24	+ 6	5·30	134	+ 59	4·9	−1·4	30	1015
5. ENGLAND, S.E.	78	33	91·6	83·6	87·3	− 0·2	663	− 11	0	0	18	+ 1	4·25	108	+ 42	6·1	−1·2	37	1016
Western.																			
6. SCOTLAND, WEST ...	80	36	90·1	82·3	85·9	0·0	556	0	0	0	24	+ 2	4·49	114	+ 12	5·6	−0·7	33	1015
7. ENGLAND, N.W.	80	35	90·2	83·2	86·5	0·0	597	0	0	0	25	+ 6	4·82	121	+ 37	5·0	−1·5	30	1015
8. ENGLAND, S.W.	75	33	90·4	83·6	86·8	− 0·1	620	− 10	0	0	25	+ 6	5·59	142	+ 61	5·3	−1·6	32	1016
9. IRELAND, NORTH ...	70	35	89·4	82·4	85·5	− 0·4	525	− 29	0	0	24	0	3·74	95	+ 2	5·2	−0·3	30	1014
10. IRELAND, SOUTH ...	74	35	90·3	83·1	86·4	− 0·3	594	− 25	0	0	22	+ 2	3·55	90	− 1	5·7	−0·3	34	1015
11. ENGLISH CHANNEL ...	70	40	90·2	85·1	87·5	+ 0·1	675	+ 1	0	0	19	+ 1	3·98	101	+ 35	6·8	−1·2	42	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 27 Weeks, January 4th to July 10th, 1920.

0. SCOTLAND, NORTH ...	79	19	83·3	76·9	80·0	+ 0·6	890	+ 59	387	−152	126	+ 3	33·05	839	+226	4·1	+0·6	31	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	83·9	76·5	80·1	+ 0·6	947	− 4	456	−161	115	+10	16·85	428	+ 69	4·3	+0·2	33	1009
2. ENGLAND, N.E.	79	24	85·1	77·9	81·4	+ 1·2	1276	+214	280	−192	109	+14	15·45	395	+113	4·2	−0·2	32	1012
3. ENGLAND, EAST ...	84	20	86·4	78·4	82·2	+ 1·5	1532	+280	270	−224	96	+ 3	11·15	284	+ 10	4·7	0·0	36	1015
4. MIDLAND COUNTIES ...	82	20	86·4	78·2	81·9	+ 1·2	1420	+154	263	−259	114	+22	18·96	480	+169	3·6	−0·6	28	1014
5. ENGLAND, S.E.	81	17	86·4	79·1	82·7	+ 1·4	1597	+252	166	−213	101	+11	14·02	358	+ 53	4·4	−0·4	34	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	84·3	78·0	81·0	+ 0·6	1132	+ 62	269	−147	136	+24	27·76	707	+165	3·5	−0·7	27	1011
7. ENGLAND, N.W.	81	22	85·0	78·8	81·8	+ 1·0	1298	+159	187	−195	124	+25	23·88	605	+216	3·5	−0·8	27	1012
8. ENGLAND, S.W.	78	17	85 6	79·3	82·3	+ 0·9	1437	+149	131	−170	123	+24	23·19	587	+153	3·9	−0·8	30	1015
9. IRELAND, NORTH ...	77	23	84·7	78·0	81·3	+ 0·4	1209	+ 79	241	− 99	137	+16	21·11	537	+ 94	3·6	−0·4	28	1010
10. IRELAND, SOUTH ...	78	22	85·6	79·0	82·2	+ 0·5	1399	+ 55	145	−115	130	+23	23·35	591	+119	3·9	−0·5	30	1013
11. ENGLISH CHANNEL ...	75	29	86·1	81·2	83·5	+ 0·9	1732	+232	20	− 85	103	− 1	15·19	383	+ 24	4·9	−0·6	38	1016
	°F.	°F		a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: July 16th, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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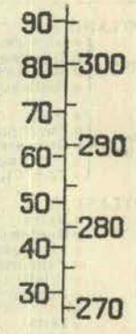
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 28.

TWENTY-EIGHTH WEEK, SUNDAY, JULY 11TH TO SATURDAY, JULY 17TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week our southern and eastern districts were generally under the influence of an anticyclone over the Continent, and the weather was finer than during the two preceding weeks. Over our western and north-western districts, on the other hand, the conditions were affected by Atlantic disturbances skirting those coasts, and dull weather with rain on five or six days was general. A slight thunderstorm occurred over East Anglia on the 12th. Temperature was very equable; there were no high maxima, in fact 299 a at Cromer and Yarmouth was the highest reading of the week; while at many stations in the south and over the Midlands the minima never went below 283 a, and on some nights remained above 288 a. The means for the week differed but little from the normal, the deficit being as a rule less than 1 a. The total rainfall for the week was mostly less than normal in the eastern and southern districts, more in the north and north-west; at Fort William 20mm. fell on the 15th, and at Strathpeffer 25mm. on the 17th, while at Glencarron the aggregate for the three days 13th–15th was 57mm. England East and England South-East were the only districts to have more sunshine than the normal, elsewhere there was a deficit, which averaged three hours per day in Scotland North, Scotland West and England North-West. Solar halos were seen at Ross-on-Wye on the 16th and at Oxford on the 11th, 12th, 15th and 16th; parhelia were observed at Raunds and Oxford on the 15th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	24	4·0	23	4·4	22	2·8	17	2·8	26	5·6	19	3·2	26	4·8	26	4·3
North	1	2·8	2	1·3	1	1·0	0	—	2	4·1	9	1·9	1	2·0	2	0·8
West	9	2·5	23	4·3	21	4·1	20	3·0	24	3·6	23	3·0	21	4·7	23	4·2
East	16	2·7	2	2·4	4	1·0	0	—	3	2·7	3	1·0	3	1·0	3	0·8
Calm	1	—	3	—	2	—	8	—	0	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Deficient
	Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate
	Sunshine ...	Moderate	Scanty	Scanty	Moderate	Scanty	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 7 weeks from May 30th, 1920.	Warmth ...	1, 4, 2	1, 3, 3	3, 2, 2	4, 1, 2	1, 4, 2	1, 4, 2	1, 4, 2	1, 5, 1	1, 2, 4	1, 4, 2	0, 4, 3	2, 3, 2
	Rainfall ...	1, 4, 2	2, 3, 2	2, 3, 2	2, 3, 2	4, 1, 2	4, 2, 1	2, 4, 1	5, 0, 2	4, 2, 1	1, 4, 2	2, 4, 1	4, 2, 1
	Sunshine ...	4, 2, 1	2, 2, 3	2, 2, 3	2, 3, 2	0, 3, 4	0, 5, 2	1, 1, 5	1, 1, 5	1, 1, 5	1, 2, 4	1, 3, 3	1, 2, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29347—19) Wt. 24—561/P 25 500 7/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

Districts and Names of Stations reporting Temperature of Air and Rainfall.		Height above M.S.L. of ground by Rain G'ug'	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
0. SCOTLAND, N.		Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
a, Islands	a Lerwick	54	63	12th	48	16th	59·9	50·0	54·6	+ 3·0	4	0·55	14	+ 3
	p Deerness, Orkney	165	63	14th	50	15th	59·9	51·3	55·3	—	6	0·61	16	+ 3
	a Stornoway	31	63	13th	48	13th	59·7	51·6	55·4	+ 1·9	6	0·63	16	+ 1
	a Castlebay, Barra I.	7	57	11, 13, 17	52	13, 17	56·3	52·9	54·5	—	7	0·79	20	—
b, Mainland.	a Wick	81	64	14th	50	11, 14, 15	60·3	51·0	55·3	+ 1·9	3	0·43	11	− 2
	a Strathpeffer	125	66	14th	—	—	63·3	—	—	—	5	1·19	30	+ 17
	p Glencarron	[illegible]	64	12th	46	13th	58·3	49·4	53·5	− 0·1	7	2·51	64	+ 38
	a Fort Augustus	8	64	17th	43	11th	60·4	50·3	55·0	− 0·5	7	0·60	15	+ 1
	p Fort William	171	64	11th	50	13, 15	60·1	51·0	55·2	− 0·8	7	2·64	67	+ 43
1. SCOTLAND, E.														
	a Nairn	82	67	11, 14	47	13th	64·9	49·7	56·8	+ 0·5	4	0·37	10	− 5
	p Gordon Castle	101	69	14th	48	13th	65·3	50·9	57·6	+ 1·3	4	0·67	17	− 1
	a Aberdeen	46	67	14, 15	50	12th	63·9	52·3	57·7	+ 1·5	4	0·29	7	− 9
	a Balmoral	930	62	11th	41	13th	59·3	46·0	52·2	− 2·1	6	0·26	7	− 8
	p Crieff	432	65	11th	47	15th	62·0	49·1	55·1	− 2·7	6	0·82	21	+ 4
	a Dundee	244	66	11th	45	13th	63·6	49·6	56·1	− 1·9	6	0·22	6	− 10
	a Leith	30	67	14th	50	13th	64·6	52·7	58·2	0·0	7	0·69	18	+ 3
	p Edinburgh	441	63	12, 14, 17	49	13th	62·0	52·0	56·7	+ 0·2	5	0·48	12	− 3
	a West Linton	769	62	14th	46	13th	59·7	48·9	53·9	− 0·6	7	0·73	19	—
	p Marchmont	498	65	12, 14	47	13th	63·3	49·3	55·8	− 0·5	5	0·57	14	− 4
6. a, SCOTLAND, W.														
	a Ford (Argyll)	149	63	17th	45	15th	60·1	50·4	54·9	—	7	1·91	49	—
	p Glasgow Observatory	180	65	11th	51	15th	61·7	52·3	56·7	− 0·8	6	0·46	12	− 8
	p Rothesay	200	63	17th	48	15, 17	59·6	50·0	54·5	− 2·6	7	1·33	34	+ 9
	a Kilmarnock	90	69	11th	50	15th	64·0	52·1	57·6	+ 1·0	6	0·70	18	− 2
	a Colmonell	170	66	17th	51	15th	61·7	52·9	57·0	+ 1·0	7	0·99	25	+ 5
	p Cally, Gatehouse	120	—	—	—	—	—	—	—	—	—	—	—	—
	p Dumfries	160	63	15th	50	11, 13	61·4	52·1	56·4	− 2·0	6	0·77	20	+ 1
	a Eskdalemuir	794	60	11, 15, 17	48	13, 16	58·7	49·4	53·7	—	7	1·86	47	—
b, I. OF MAN	p Douglas	277	63	17th	51	13, 17	60·3	52·1	55·9	− 1·1	5	1·01	26	+ 7
2. ENGLAND, N.E.														
a North	a Alnwick Castle	210	68	12th	52	11, 13, 17	64·0	52·9	58·1	+ 0·5	4	0·34	9	− 5
	a Tynemouth	118	68	11, 12	50	13th	64·7	52·9	58·4	+ 0·8	5	0·61	16	+ 4
	p Durham	336	68	17th	48	13th	64·9	51·0	57·5	− 1·0	4	0·41	10	− 3
	p Rounton	249	68	11, 12	48	13th	65·3	51·7	58·0	+ 0·2	3	0·64	16	+ 1
	a West Witton	605	67	12th	50	13, 17	63·7	52·3	57·6	—	5	0·78	20	—
	p Scarborough	100	72	12th	53	11, 13, 14	68·4	54·0	60·7	+ 1·7	4	1·39	35	+ 23
	p York	56	68	12th	52	13th	65·4	53·6	59·1	− 1·2	4	0·95	24	+ 11
b. South	a Spurn Head	26	72	12, 17	52	14, 16	68·6	53·7	60·6	+ 1·1	4	0·23	6	− 3
	a Lincoln	58	71	12th	50	16th	67·9	53·7	60·3	− 0·7	2	0·11	3	− 8
	a Fulbeck	180	70	12, 16	50	16th	68·4	52·6	60·0	− 0·6	5	0·13	3	− 9
3. ENGLAND, E.														
	p Cromer	196	78	17th	48	14, 16	71·9	51·1	60·8	+ 1·3	4	0·11	3	− 11
	a Little Massingham	280	74	16th	46	16th	69·3	50·6	59·3	− 0·9	4	0·22	6	− 9
	a Yarmouth	13	79	17th	51	16th	69·6	54·3	61·4	+ 1·3	4	0·28	7	− 6
	a Norwich	93	78	17th	49	14th	71·3	52·8	61·4	+ 0·7	4	0·21	5	− 10
	a Geldeston	37	—	—	—	—	—	—	—	—	3	0·30	8	− 5
	p Cambridge	41	75	17th	44	16th	71·4	50·6	60·3	− 0·9	3	0·12	3	− 9
	a Clacton-on-Sea	54	75	17th	50	16th	68·9	55·3	61·6	+ 0·8	2	0·79	20	+ 9
	a Rothamsted	424	70	17th	45	16th	67·7	51·1	58·8	− 1·3	5	0·30	8	− 5
	p Tottenham	51	74	17th	52	16th	70·7	55·1	62·4	—	1	0·34	9	—
4. MIDLAND COUNTIES.														
a North	a Harrogate	479	65	12th	50	11, 13	62·3	51·6	56·6	− 1·3	4	0·63	16	+ 1
	p Sheffield	429	67	12, 15, 16	52	13, 14	65·0	53·3	58·7	—	3	0·57	15	—
	p Buxton	987	63	15th	49	13, 14	60·0	50·3	54·8	—	6	0·95	24	+ 2
b, East	a Worksop	56	71	15th	51	13, 14, 16	67·7	53·0	59·8	0·0	2	0·29	7	− 6
	a Nottingham	82	69	15th	48	16th	66·6	52·3	59·0	− 1·3	6	0·37	9	− 4
	p Birmingham, Edgbsn.	535	68	15th	49	16th	65·7	51·6	58·2	− 1·8	4	0·30	8	− 5
	a Raunds	203	71	11, 16, 17	45	16th	70·4	51·4	60·2	− 0·9	3	0·15	4	− 10
	p Oxford	208	69	11, 16	50	16th	68·0	53·6	60·3	− 1·0	2	0·09	2	− 11
c, West	a Cheadle (N. Staffs.)	646	65	11th	48	13, 14	62·3	50·7	56·1	− 2·2	4	0·73	19	+ 3
	p Tenbury	313	68	16th	50	11th	66·0	51·3	58·1	− 1·5	4	0·32	8	− 2
	a Hereford	291	70	15th	49	12th	66·7	52·1	58·9	− 1·4	2	0·20	5	− 7
	a Clifton	228	67	16th	53	11, 16, 17	65·0	54·1	59·2	− 3·0	4	0·37	9	− 9
5. ENGLAND, S.E.														
	a Marlborough	424	67	11, 14-17	41	15th	66·7	51·4	58·5	− 0·7	7	0·41	11	− 2
	p Wilton Ho.*	180	69	15th	45	16th	67·3	51·4	58·8	− 2·6	4	0·46	12	0
	a Wisley, Surrey	150	74	17th	49	16th	70·3	53·4	61·3	0·0	2	0·21	5	− 5
	a Tunbridge Wells	354	73	17th	46	16th	69·7	52·6	60·6	− 0·4	1	0·44	11	− 1
	a Margate	51	78	17th	52	14th	72·3	56·0	63·6	+ 1·8	3	0·67	17	+ 7
	a Dungeness	21	67	12-15, 17	—	—	66·4	—	—	—	2	0·79	20	+ 10
	p St. Leonards	178	71	17th	51	14th	67·3	55·6	61·0	0·0	4	0·43	11	− 1
	p Southampton	64	72	15th	50	14th	67·3	53·9	60·1	− 2·6	2	0·64	16	+ 4
	a Ventnor	59	66	14-16	52	14th	65·3	55·4	60·0	− 1·6	2	0·71	18	+ 7
LONDON.	a Richmond (Kew Obs.)	18	73	12, 17	51	16th	70·6	54·9	62·2	− 0·1	3	0·33	9	− 2
	a Westminster	27	72	17th	51	16th	70·5	55·5	62·5	− 0·3	2	0·33	9	− 3
	ag Greenwich	149	76	17th	49	16th	73·7	53·6	63·0	+ 0·3	1	0·45	11	− 2
	a Hampstead	450	71	17th	50	14th	69·0	53·3	60·6	—	2	0·26	7	—
	ag Camden Square	110	77	17th	50	16th	74·6	54·7	64·0	+ 0·2	2	0·34	9	− 4
7. a, ENGLAND, N.W.														
	p Aspatria (Mealsgate)	487	63	12th	50	17th	60·3	51·6	55·7	− 1·9	4	0·97	25	+ 6
	p Newton Rigg	559	63	11, 12	50	14, 16, 17	61·6	50·7	55·8	− 2·0	5	0·89	23	+ 7
	p Stonyhurst	375	65	11th	51	11th	62·7	53·3	57·7	− 0·5	5	1·30	33	+ 12
	p Blackpool	66	66	11th	53	17th	63·6	54·7	58·8	− 0·1	6	0·86	22	+ 6
	a Southport	37	66	15th	53	13, 17	63·6	54·1	58·5	− 0·5	4	0·65	17	+ 1
	a Liverpool (Bidston)	188	67	12th	51	11, 13-15	63·6	52·0	57·4	− 2·2	5	0·79	20	+ 6
	a Hawarden Bridge	22	69	11th	53	13th	66·3	54·9	60·2	0·0	4	0·42	11	− 1
	p Manchester (Whit. Pk.)	125	67	15th	51	11, 13	64·3	53·4	58·5	− 1·8	3	0·54	14	− 4
b. NORTH WALES.														
	p Llandudno	16	66	12th	52	16th	63·7	53·7	58·4	− 1·3	4	0·45	12	− 1
	a Holyhead	15	63	13, 17	52	11, 15, 17	61·3	52·9	56·8	− 1·3	6	1·52	39	+ 25
	a Aberdovey	22	62	11, 12, 15	54	11, 15, 16	61·3	55·0	57·9	− 0·5	4	0·55	14	—

Stations reporting Sunshine and Temperature on the Grass and in the Ground.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperatures. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean	Deviation from Average
	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
Deerness	5·4	+ 0·5	30	•	•	•	•	•	•
Stornoway	1·8	− 3·3	10	•	•	•	•	•	•
Castlebay	2·5	—	14	•	•	•	•	•	•
Nairn	3·9	—	22	•	•	•	•	•	•
Gordon Castle	4·0	—	23	•	•	•	•	•	•
Aberdeen	4·7	− 0·8	27	0	40	•	•	53·1	+0·4
Balmoral	•	•	•	0	35	•	•	•	•
Crathes	3·6	− 1·8	21	0	41	58·2	0·0	54·5	+0·6
Dundee	4·1	—	24	0	37	57·4	•	•	•
Leith	•	•	•	0	48	•	•	•	•
Edinburgh	3·7	− 2·1	21	0	46	•	•	•	•
West Linton	3·0	—	17	0	41	•	•	•	•
Marchmont	4·7	− 1·1	27	•	•	•	•	•	•
Ford (Argyll)	•	•	•	0	35	57·4	—	54·3	—
Glasgow	2·6	− 2·5	15	0	44	•	•	•	•
Rothesay	2·4	—	14	0	42	56·4	—	54·0	−1·0
Kilmarnock	2·5	—	15	•	•	56·9	—	53·8	—
Colmonell	•	•	•	0	46	•	•	•	•
Dumfries	3·3	—	20	0	47	57·6	−4·1	54·7	−3·5
Eskdalemuir	1·6	—	9	0	44	•	•	•	•
Douglas	4·8	− 2·3	29	0	48	•	•	•	•
Cockle Park	3·8	− 1·9	22	0	38	56·2	−2·0	53·5	−1·2
Durham	4·0	− 1·6	23	0	38	•	•	•	•
Rounton	•	•	•	0	38	58·0	•	•	•
West Witton	•	•	•	0	45	56·9	—	53·0	—
Scarborough†	3·9	− 1·9	23	•	•	•	•	57·7	—
York	2·8	− 2·9	17	—	—	58·4	−0·8	55·7	+0·2
Spurn Head	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	0	49	59·3	−1·0	56·6	+0·5
Fulbeck	—	—	—	•	•	—	—	—	—
Skegness	7·2	+ 0·1	43	•	•	—	—	•	•
Cromer	6·6	− 0·2	40	•	•	•	•	•	•
Lit. Massingham	7·1	+ 0·7	43	•	•	•	•	•	•
Yarmouth	7·8	—	48	0	49	61·9	−1·9	58·9	−0·7
Norwich	6·8	—	41	0	43	63·5	•	•	•
Geldeston	7·9	+ 1·0	48	•	•	•	•	•	•
Cambridge	7·6	+ 0·9	47	0	39	63·0	+0·6	59·3	+0·7
Clacton	8·3	+ 1·1	51	0	44	62·3	+1·4	59·3	+0·7
Rothamsted	7·9	+ 1·1	48	0	38	59·8	•	•	•
Tottenham	7·2	—	45	0	49	•	•	59·9	+0·1
S'thend-on-Sea	8·2	—	51	0	48	64·3	+0·7	—	—
Harrogate	3·2	− 2·8	19	0	43	56·0	−1·0	54·5	−0·4
Sheffield	4·0	− 1·9	24	0	45	58·1	−0·2	54·2	+0·4
Buxton	2·7	—	17	0	43	56·0	−2·2	53·6	−0·2
Worksop	3·5	− 1·9	21	0	42	59·0	—	55·8	—
Nottingham	3·4	− 2·5	20	0	38	59·4	−1·0	57·1	+0·2
Birmingham	2·8	− 2·2	17	0	45	54·6	−1·0	51·8	−0·1
Raunds	6·2	—	38	0	39	61·1	—	56·3	—
Oxford	6·7	+ 0·3	41	0	45	•	•	•	•
Malvern	3·8	—	23	0	45	59·8	—	57·5	—
Cheadle	•	•	•	0	42	•	•	•	•
Tenbury	•	•	•	0	42	58·7	—	—	—
Ross-on-Wye	3·7	—	23	0	46	60·7	—	57·8	—
Clifton	6·1	—	38	0	50	•	•	•	•
Worthing	8·4	+ 0·6	52	0	46	64·1	+0·4	59·4	+0·4
Marlborough	5·9	− 0·3	37	0	39	61·4	—	56·5	—
Wilton Ho.	•	•	•	0	43	62·6	•	•	•
Wisley	7·9	+ 1·0	49	0	39	62·8	+0·5	58·1	−0·3
Tunbridge Wells	7·5	+ 0·3	46	0	46	62·5	−0·4	58·5	—
Margate	8·4	+ 1·6	52	0	48	65·3	+3·6	62·2	+4·1
Folkestone	9·2	—	57	•	•	•	•	55·2	—
St. Leonards	8·8	+ 0·9	54	0	47	64·8	—	59·5	—
Southampton	6·0	− 1·3	37	0	41	•	•	•	•
Ventnor	6·0	− 1·5	38	•	•	•	•	•	•
Richmond	7·1	+ 0·4	44	0	43	61·5	−0·2	57·6	+0·5
Westminster	7·2	+ 1·1	44	0	42	•	•	•	•
Greenwich	8·1	+ 0·7	50	0	42	•	•	•	•
Hampstead	7·3	—	45	—	—	•	•	•	•
Camden Square	—	—	—	0	48	•	•	•	•
Aspatria	4·2	− 2·0	25	0	48	55·6	−4·9	52·8	−1·7
Newton Rigg	2·5	− 3·8	15	0	40	—	—	—	—
Stonyhurst	2·9	− 3·2	17	0	47	•	•	•	•
Blackpool	4·1	− 3·1	25	0	49	59·4	—	53·8	—
Southport	3·8	− 3·2	23	0	49	62·9	—	59·9	+0·2
Hoylake	4·1	− 2·6	25	•	•	•	•	•	•
Liverpool	4·0	—	24	0	46	•	•	•	•
Manchester (City)	2·0	− 3·0	12	0	50	58·9	−1·3	58·1	+0·7
Whitworth Park	1·9	− 3·5	11	•	•	•	•	•	•
Llandudno	4·8	− 2·1	29	•	•	•	•	•	•
Holyhead	4·5	—	27	0	51	•	•	•	•
Aberdovey	3·2	− 3·3	20	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	63	12th	53	15, 16	61·3	54·7	57·8	—	4	0·58	15	—	Aberystwyth ..	3·3	− 2·8	20	•	•	•	•	•	•
a Rhayader	767	63	15, 17	49	14th	61·1	51·3	55·9	—	4	0·68	17	—	Rhayader ..	2·8	—	17	0	43	•	•	•	•
a St. Ann's Head ..	149	60	11, 12	53	17th	59·1	54·7	56·8	− 1·1	4	0·63	16	+ 3	St. Ann's Head ..	5·5	− 1·4	34	•	•	•	•	•	•
p Cardiff	202	67	16th	52	16th	63·7	53·9	58·5	− 1·3	5	0·63	16	0	Cardiff	4·3	—	27	0	47	60·7	−0·5	57·1	−0·4
b. ENGLAND, S.W.																							
a Bath	66	70	11th	49	16th	66·1	54·0	59·6	− 1·1	5	0·30	8	− 5	Bath	5·5	− 1·5	34	—	—	62·3	−0·5	59·1	+0·1
a Shaftesbury	722	66	15th	49	13–15	63·3	50·4	56·4	− 3·0	6	0·43	11	− 3	Shaftesbury ..	•	•	•	•	•	58·4	—	56·2	—
a Arlington	613	65	11th	50	11, 16	62·9	52·0	57·1	− 1·0	5	0·54	14	− 7										
a Newquay	190	64	11th	48	16th	62·7	53·4	57·7	− 1·8	5	0·28	7	− 5	Newquay ..	4·8	− 2·2	30	—	—	60·9	—	57·4	—
a Cullompton	202	69	15th	44	16th	66·7	51·1	58·4	− 1·9	4	0·53	14	0	Cullompton ..	4·7	− 1·5	29	0	40	60·3	•	•	•
a Portland Bill	19	64	12th	54	13th	61·7	54·9	58·1	− 1·6	3	0·31	8	− 1	Weymouth ..	6·0	—	37	•	•	•	•	•	•
p Plymouth	116	67	15th	52	14, 15	64·0	54·3	58·8	− 1·7	5	0·53	13	0	Plymouth ..	4·5	− 2·5	28	0	49	62·2	−1·8	58·7	—
a Falmouth	167	65	11, 15	51	13, 14, 16	63·7	53·4	58·2	− 1·7	4	0·48	12	− 3	Falmouth ..	5·2	− 2·2	33	0	41	63·0	—	61·0	—
9. IRELAND, N.																							
a West .. *a* Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Mallarany ..	—	—	—	—	—	—	—	•	•
a Malin Head ..	208	63	12, 16	49	17th	60·1	51·3	55·4	− 0·7	6	0·63	16	0	Malin Head ..	4·3	—	25	•	•	•	•	•	•
a Blacksod Point ..	37	61	11, 13	48	11, 15	60·0	50·7	55·0	− 2·3	7	1·50	38	+ 20	Markree Castle	3·7	− 1·0	22	0	35	59·5	−0·2	55·9	+0·4
p Markree Castle ..	122	65	15th	47	17th	62·4	50·4	56·0	− 0·7	6	1·64	42	+ 22										
b. East .. *p* Armagh	196	67	11, 12	48	15th	65·7	51·1	57·9	+ 0·3	6	0·41	10	− 7	Armagh	2·8	− 2·2	17	0	45	58·3	−2·5	55·5	−0·8
a Donaghadee ..	39	66	15th	50	11th	62·9	51·9	57·0	0·0	6	0·43	11	− 5										
10. IRELAND, S.																							
p Dublin, City	47	67	12, 15	52	15th	64·9	53·9	59·0	− 0·8	6	0·40	10	− 5	Trinity Coll. ..	4·2	—	25	0	46	60·2	−0·5	57·0	+0·2
a Birr Castle	175	64	14, 15	51	11, 17	62·1	52·4	56·9	− 1·2	6	0·67	17	0	Phœnix Park ..	5·0	− 0·8	30	0	45	•	•	•	•
a Kilkenny	195	67	15th	46	11th	64·0	50·4	56·7	− 2·0	7	0·95	24	+ 8	Dublin City ..	•	•	•	0	48	•	•	•	•
a Waterford	137	66	13th	45	11th	63·1	51·3	56·8	− 2·5	6	1·08	28	+ 10	Birr Castle ..	3·6	—	22	0	39	•	•	•	•
p Seskin, Carrick-on-Suir	535	65	12, 15	48	17th	61·9	50·7	55·9	—	6	0·81	21	—	Seskin	4·4	—	27	0	45	•	•	•	•
a Cahir	199	66	13, 15	47	17th	63·7	50·0	56·4	− 2·2	6	0·81	21	—										
a Foynes	50	65	11th	51	15, 17	62·6	52·4	57·1	− 1·4	7	0·57	14	− 4										
a Cahirciveen (Val. Obs.)	30	62	15th	51	17th	59·9	53·9	56·7	− 1·6	5	1·06	27	+ 5	Cahirciveen ..	3·3	− 2·1	20	0	45	•	•	•	•
a Killarney	174	67	15th	48	17th	62·8	52·7	57·4	− 1·3	7	0·57	14	− 5	Ballinacurra ..	3·0	− 3·1	19	•	•	•	•	•	•
a Roche's Point	32	62	12, 15	50	17th	60·1	52·7	56·1	− 2·5	7	1·60	41	+ 25										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	13, 15	54	13th	62·3	55·1	58·5	− 1·7	4	0·24	6	− 6	Scilly	5·8	− 1·5	36	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	14th	48	14, 16	67·1	53·7	59·9	− 2·0	3	0·28	7	− 4	St. Heliers ..	7·4	− 0·8	46	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	70	16th	51	14th	65·7	55·0	60·0	− 1·5	3	0·62	16	+ 4	Guernsey† ..	6·4	− 1·9	40	0	43	61·0	−2·0	58·9	−0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 17th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	57	101	10	0	130	10	12	17	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	113	46	9	120	5	16	20	11	14	11	50
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	12	103	23	0	210	7	14	14	—	—	—	—
Edinburgh	485	39	31	—	—	13	3	88	65	12	0	260	12	13	16	20	13	15	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	13, 16	10	84	62	12	0	250	13	13	12	19	13	12	10
Paisley	188	81	15	—	—	—	—	40	115	13	0	280	9	13	18	24	13	18	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	15	78	59	16	270	8	13	16	16	13	16	35
South Shields	72	61	12	—	—	—	—	32	115	21	0	270	10	13	15	17	13	15	10
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	45	113	10	0	190	11	16	13	13	13	13	50
Shoeburyness	103	90	‡	—	—	—	—	48	106	14	0	220	11	17	13	15	13	11	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	30	108	10	20	290	8	13	13	15	13	11	40
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	20	92	56	0	—	8	13	13	14	13	13	20
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	18	105	45	0	210	8	17	13	13	17	13	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	12, 13, 17	8	100	56	4	0	230	13	13	10	—	—	—	—
Southport	80	62	48	—	—	13, 15	19	101	48	0	0	240	15	13	8	21	13	8	15
Holyhead	60	40	‡	—	—	13	1	131	35	1	0	240	13	13	10	—	—	—	—
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	12, 15 to 17	19	108	41	0	0	220	14	12	11	20	12	10	45
Plymouth	185	88	2	—	—	16, 17	3	71	93	1	0	—	12	16	24	15	16	23	15
Lyme Regis	556	61	‡	—	—	—	—	1	47	120	0	—	6	13	12	11	13	10	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	12, 13, 16	6	87	69	6	0	240	13	13	4	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	12 to 14	9	99	46	14	0	—	13	13	1	17	13	0	30
Cahirciveen (Val Obs.)	98	41	‡	—	—	14, 16	2	126	34	6	0	200	12	14	14	18	16	3	35
Weaver Pt.	160	30	‡	—	—	—	—	119	40	9	0	—	10	15	13	16	12	5	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	44	120	4	0	190	9	14	16	14	14	18	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.
¶ Tube Anemograph out of action since Feb. 5th, 1920 ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-EIGHTH WEEK of 1920—July 11th to July 17th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	mb.
0. SCOTLAND, NORTH ...	64	43	88·3	83·3	85·7	− 0·4	90	+ 1	0	0	6	+ 2	1·22	31	+ 14	3·6	−1·0	20	1006
Eastern.																			
1. SCOTLAND, EAST ..	69	41	90·2	82·9	86·3	− 0·3	97	− 3	0	0	5	+ 1	0·55	14	− 3	4·1	−1·4	24	1008
2. ENGLAND, N.E. ...	72	48	92·1	84·6	88·1	+ 0·2	120	+ 4	0	0	4	+ 1	0·53	13	0	4·3	−1·8	26	1012
3. ENGLAND, EAST ...	79	44	94·2	84·4	89·0	+ 0·2	132	+ 2	0	0	3	0	0·30	8	− 5	7·6	+0·8	46	1016
4. MIDLAND COUNTIES ...	71	45	91·9	84·2	87·8	− 0·6	116	− 8	0	0	4	+ 1	0·34	9	− 4	4·2	−1·8	25	1015
5. ENGLAND, S.E.	78	41	93·3	85·1	88·9	− 0·4	131	− 2	0	0	3	0	0·51	13	+ 2	7·5	+0·3	46	1016
Western.																			
6. SCOTLAND, WEST ...	69	45	89·3	83·9	86·4	− 0·5	99	− 6	0	0	6	+ 2	1·02	26	+ 4	3·7	−2·5	22	1009
7. ENGLAND, N.W.	69	50	90·2	84·7	87·3	− 0·5	110	− 7	0	0	5	+ 2	0·85	22	+ 5	3·7	−2·7	22	1015
8. ENGLAND, S.W.	70	44	90·3	84·7	87·3	− 1·0	111	− 11	0	0	5	+ 2	0·50	13	− 3	4·5	−2·0	28	1016
9. IRELAND, NORTH ...	67	47	89·8	83·7	86·6	− 0·3	101	− 4	0	0	6	+ 2	0·88	22	+ 4	3·2	−1·7	19	1007
10. IRELAND, SOUTH ...	67	45	90·0	84·2	86·9	− 0·9	105	− 12	0	0	6	+ 2	0·86	22	+ 4	3·7	−1·8	23	1012
11. ENGLISH CHANNEL ...	70	48	91·3	85·6	88·3	− 0·8	123	− 10	0	0	3	0	0·38	10	− 2	6·5	−1·4	41	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 7 Weeks, May 30th to July 17th, 1920.

0. SCOTLAND, NORTH ...	79	35	88·7	81·4	84·8	+ 0·2	551	+ 13	0	− 2	24	− 3	3·96	102	− 13	7·1	+2·1	39	1013
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·5	80·9	84·9	− 0·5	561	− 43	3	+ 2	24	0	3·89	98	+ 2	6·3	+0·4	36	1014
2. ENGLAND, N.E.	79	31	90·7	82·9	86·5	+ 0·2	702	+ 19	0	0	25	+ 4	3·87	99	+ 15	6·0	−0·2	35	1014
3. ENGLAND, EAST ...	80	35	92·1	83·5	87·5	+ 0·2	792	+ 16	0	0	21	0	3·16	79	− 2	6·8	−0·1	41	1016
4. MIDLAND COUNTIES ...	81	32	91·5	82·8	86·8	− 0·3	729	− 29	0	0	28	+ 7	5·84	143	+ 55	4·8	−1·4	29	1015
5. ENGLAND, S.E.	78	33	91·9	83·8	87·6	− 0·1	794	− 13	0	0	21	+ 1	4·76	121	+ 44	6·3	−0·9	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	36	89·9	82·5	86·0	0·0	655	− 6	0	0	30	+ 4	5·51	140	+ 16	5·3	−1·0	31	1014
7. ENGLAND, N.W.	80	35	90·2	83·4	86·6	− 0·1	707	− 7	0	0	30	+ 8	5·67	143	+ 42	4·8	−1·7	29	1015
8. ENGLAND, S.W.	75	33	90·4	83·7	86·8	− 0·3	731	− 21	0	0	30	+ 8	6·09	155	+ 58	5·2	−1·6	32	1016
9. IRELAND, NORTH ...	70	35	89·4	82·5	85·7	− 0·3	626	− 33	0	0	30	+ 2	4·62	117	+ 6	5·2	−0·2	29	1013
10. IRELAND, SOUTH ...	74	35	90·2	83·3	86·5	− 0·4	699	− 37	0	0	28	+ 4	4·41	112	+ 3	5·4	−0·5	32	1014
11. ENGLISH CHANNEL ...	70	40	90·4	85·1	87·6	− 0·1	798	− 9	0	0	22	+ 1	4·36	111	+ 33	6·8	−1·2	42	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 28 Weeks, January 4th to July 17th, 1920.

0. SCOTLAND, NORTH ...	79	19	83·5	77·2	80·2	+ 0·6	980	+ 60	387	−152	132	+ 5	34·27	870	+240	4·1	+0·5	31	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	84·1	76·7	80·3	+ 0·5	1044	− 7	456	−161	120	+11	17·40	442	+ 66	4·3	+0·2	32	1009
2. ENGLAND, N.E.	79	24	85·3	78·2	81·6	+ 1·1	1396	+218	280	−192	113	+15	15·98	408	+113	4·2	−0·3	32	1012
3. ENGLAND, EAST ...	84	20	86·7	78·6	82·5	+ 1·5	1664	+282	270	−224	99	+ 3	11·45	292	+ 5	4·8	+0·1	37	1015
4. MIDLAND COUNTIES ...	82	20	86·6	78·4	82·1	+ 1·1	1536	+146	263	−259	118	+23	19·30	489	+165	3·7	−0·5	28	1014
5. ENGLAND, S.E.	81	17	86·7	79·3	82·9	+ 1·3	1728	+250	166	−213	104	+11	14·53	371	+ 55	4·5	−0·4	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	84·5	78·2	81·2	+ 0·5	1231	+ 56	269	−147	142	+26	28·87	733	+169	3·5	−0·7	27	1011
7. ENGLAND, N.W.	81	22	85·2	79·0	82·0	+ 1·0	1408	+152	187	−195	129	+27	24·73	627	+221	3·5	−0·9	27	1012
8. ENGLAND, S.W.	78	17	85·7	79·5	82·5	+ 0·9	1548	+138	131	−170	128	+26	23·69	600	+150	3·9	−0·8	30	1015
9. IRELAND, NORTH ...	77	23	84·9	78·2	81·5	+ 0·4	1310	+ 75	241	− 99	143	+18	21·99	559	+ 98	3·6	−0·4	27	1010
10. IRELAND, SOUTH ...	78	22	85·7	79·2	82·3	+ 0·4	1504	+ 43	145	−115	136	+25	24·21	613	+123	3·9	−0·5	30	1013
11. ENGLISH CHANNEL ...	75	29	86·3	81·3	83·7	+ 0·8	1855	+222	20	− 85	106	− 1	15·57	393	+ 22	5·0	−0·6	39	1016
	°F.	°F		a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 23rd July, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 113

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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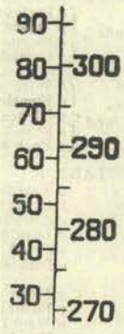
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 29.

TWENTY-NINTH WEEK, SUNDAY, JULY 18TH TO SATURDAY, JULY 24TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the week was again very unsettled, temperature was low for the time of year, rainfall mostly in excess, and bright sunshine variable, but generally deficient. The warmest day was the 20th, when the thermometer rose to 298 a at several stations over the eastern half of England, but in many places, especially on the coast, it failed to reach 294 a all the week, while on Saturday at isolated places it did not exceed 287 a. The minimum temperature at Balmoral on the 22nd and 23rd was as low as 277 a, while at West Linton on the 19th the grass minimum went down to 274 a. The mean temperature was below the normal in all districts, the deviation being about 1 a. Over Scotland, Ireland N., and the Channel Islands the total rainfall was less than normal, but elsewhere there was an excess, that in England S.E. being 10mm. and that in England N.W. 16mm. Thunderstorms occurred on Sunday over northern and eastern Scotland and north-eastern England—at Fort William 13mm. (0·50 in.) of rain fell in 20 minutes, but the largest daily falls (20–30mm.) occurred over the London area and over Essex on Wednesday. Thick fogs occurred on the Cornish coast and western Channel between the 20th and 22nd. Over Ireland S. the amount of bright sunshine per day was only 3·5 hr., but in other districts it was generally between 5 and 6 hr. and in the Channel Islands nearly 8 hr.; at Cahirciveen (Valencia Obs.) the percentage of the possible was only 17 and that at Jersey 57. A solar halo was observed at Oxford on the 22nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	4·2	19	2·5	19	3·2	16	2·7	17	4·5	14	1·5	15	3·5	15	3·3
North	7	3·6	6	1·9	6	2·1	5	1·9	8	3·2	13	2·0	2	5·2	12	2·7
West	21	4·5	28	5·6	27	4·1	25	3·0	26	4·0	27	3·8	21	5·6	25	3·4
East	2	1·0	0	—	0	—	0	—	1	1·8	0	—	3	1·9	1	0·8
Calm	3	—	0	—	1	—	2	—	1	—	0	—	3	—	1	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient
Rainfall ...	Moderate	Light	Moderate	Heavy	Moderate	Heavy	Moderate	Heavy	Moderate	Moderate	Moderate	Light
Sunshine ...	Abundant	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 8 weeks from May 30th, 1920. Warmth ...	1, 5, 2	1, 3, 4	3, 3, 2	4, 2, 2	1, 5, 2	1, 4, 3	1, 4, 3	1, 5, 2	1, 2, 5	1, 4, 3	0, 4, 4	2, 3, 3
Rainfall ...	1, 5, 2	2, 3, 3	2, 4, 2	3, 3, 2	4, 2, 2	5, 2, 1	2, 5, 1	6, 0, 2	4, 3, 1	1, 5, 2	2, 5, 1	4, 2, 2
Sunshine ...	5, 2, 1	3, 2, 3	2, 3, 3	2, 4, 2	0, 4, 4	0, 6, 2	1, 2, 5	1, 2, 5	1, 2, 5	2, 2, 4	1, 3, 4	1, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29440—19) Wt. 24—561/P25 500 7/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Mean for the Week. Of Daily Min.	Mean for the Week. Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands.. a Lerwick	54	61	23, 24	48	19, 24	58·9	49·3	53·8	+ 1·2	6	0·98	25	+ 10										
p Deerness, Orkney	165	61	20, 21	46	24th	58·1	49·9	53·7	—	6	0·57	14	− 3	Deerness	4·7	− 0·2	23	•	•	•	•	•	•
a Stornoway	51	62	20, 21	45	24th	59·3	49·3	54·0	− 0·5	5	0·59	15	− 6	Stornoway	5·0	+ 0·5	29	•	•	•	•	•	•
a Castlebay, Barra I.	37	58	18, 20	48	24th	56·7	51·1	53·7	—	6	0·33	8	—	Castlebay	6·2	—	36	•	•	•	•	•	•
b. Mainland. a Wick	81	65	20, 21	45	24th	61·3	48·3	54·4	0·0	5	0·29	7	− 10										
a Strathpeffer	125	65	21st	44	19th	63·1	49·7	55·9	− 0·8	3	0·58	15	− 2										
p Glencarron	500	59	19, 20	44	23, 24	56·9	46·9	51·6	− 3·0	6	1·28	33	− 3										
a Fort Augustus	68	64	18th	44	24th	60 3	49·4	54·5	− 2·0	7	1·04	26	+ 7										
p Fort William	171	66	21st	47	24th	62·7	49·7	55·8	− 1·2	7	1·82	46	+ 13										
1. SCOTLAND, E.																							
a Nairn	82	66	20–22	47	18th	64·0	49·3	56·1	− 0·3	5	0·24	6	− 10	Nairn	5·5	—	32	•	•	•	•	•	•
p Gordon Castle	101	67	20th	45	24th	63·7	50·0	56·4	0·0	5	0·16	4	− 16	Gordon Castle	5·3	—	31	•	•	•	•	•	•
a Aberdeen	46	68	20th	47	19th	63·7	49·1	55·9	− 0·4	7	0·61	16	− 1	Aberdeen	6·0	+ 1·0	35	0	40	•	•	53·6	+0·4
a Balmoral	930	64	20th	39	22, 23	60·0	43·4	51·1	− 3·2	5	0·49	12	− 5	Balmoral	•	•	•	0	36	•	•	•	•
p Crieff	432	64	20th	45	23, 24	62·4	47·3	54·3	− 3·5	4	0·33	8	− 12	Crathes	4·8	− 0·1	28	0	37	58·3	0·0	54·8	+0·4
a Dundee	244	67	20th	46	18, 22–24	64·6	46·9	55·1	− 2·9	4	0·75	19	+ 1	Dundee	6·9	—	41	0	39	57·0	•	•	•
a Leith	30	66	21st	49	19, 24	63·4	51·0	56·8	− 1·5	4	0·25	6	− 10	Leith	•	•	•	0	41	•	•	•	•
p Edinburgh	441	64	18, 21	47	24th	62·3	50·1	55·8	− 0·8	3	0·20	5	− 11	Edinburgh	6·5	+ 1·2	39	0	44	•	•	•	•
a West Linton	769	62	18th	44	18, 21	59·7	46·3	52·5	− 2·0	6	0·22	6	—	West Linton	5·3	—	32	0	34	•	•	•	•
p Marchmont	498	65	19, 21	43	19th	62·7	47·3	54·5	− 1·9	3	0·99	25	+ 5	Marchmont	5·4	+ 0·2	32	•	•	•	•	•	•
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	65	18th	44	19th	62·1	49·3	55·3	—	6	1·24	31	—	Ford (Argyll)	•	•	•	0	35	58·6	—	54·7	—
p Glasgow Observatory	180	64	18, 21	48	24th	62·0	50·7	56·0	− 1·7	6	0·34	9	− 9	Glasgow	6·7	+ 2·2	40	0	40	•	•	•	•
p Rothesay	200	65	18th	46	24th	61·0	49·1	54·6	− 2·7	7	0·91	23	0	Rothesay	5·8	—	35	0	42	58·4	—	54·6	−0·7
a Kilmarnock	90	66	18, 19, 21	44	19th	63·9	49·9	56·4	− 0·3	3	0·33	8	− 11	Kilmarnock	6·1	—	36	•	•	57·7	—	53·9	—
a Colmonell	170	66	21st	46	19th	62·4	50·3	55·9	− 0·3	5	0·51	13	− 5	Colmonell	•	•	•	0	42	•	•	•	•
p Renfrew	120	64	18, 21	47	18, 19	62·3	50·0	55·7	—	6	0·39	10	—	Renfrew	6·8	—	40	0	38	—	—	—	—
p Dumfries	160	64	18, 20, 21	46	19, 21	62·7	49·1	55·4	− 3·2	4	0·32	8	− 10	Dumfries	5·0	—	30	0	36	58·1	−3·3	55·0	−3·8
a Eskdalemuir	794	64	18, 21	38	19th	60·9	45·3	52·6	—	5	0·81	21	—	Eskdalemuir	4·8	—	29	0	31	•	•	•	•
b. I. OF MAN p Douglas	277	63	18th	48	24th	61·0	50·7	55·5	− 1·7	6	0·48	12	− 6	Douglas	5·4	− 0·8	33	0	45	•	•	•	•
2. ENGLAND, N.E																							
a North. a Alnwick Castle	210	70	20th	45	19th	65·1	50·1	57·1	− 0·4	4	0·41	11	− 5										
a Tynemouth	118	69	20th	49	24th	63·9	51·1	57·1	− 0·4	5	0·59	15	+ 1	Cockle Park	5·5	+ 0·3	33	0	38	55·4	−2·9	54·1	−1·0
p Durham	336	70	20th	47	18, 19, 24	65·6	49·1	56·8	− 1·5	4	0·94	24	+ 8	Durham	5·8	+ 0·7	35	0	37	•	•	•	•
p Rounton	249	70	19, 20	46	19th	64·7	49·9	56·8	− 0·9	7	0·89	23	+ 6	Rounton	•	•	•	0	38	58·9	•	•	•
a West Witton	605	68	20th	45	19th	63·4	50·3	56·4	—	4	0·76	19	—	West Witton	•	•	•	0	42	58·2	—	53·5	—
p Scarborough	100	75	20th	50	19, 24	67·4	52·3	59·3	+ 0·3	5	1·27	32	+ 18	Scarborough†	4·6	− 0·8	28	•	•	•	•	58·3	—
p York	56	70	20th	47	18th	65·7	51·4	58·1	− 2·0	5	0·93	24	+ 9	York	4·9	− 0·4	30	—	—	58·9	−0·6	56·0	−0·1
b. South. a Spurn Head	28	73	20th	51	24th	66·3	53·0	59·2	− 0·4	4	0·44	11	+ 1	Spurn Head	•	•	•	•	•	•	•	•	•
a Lincoln	58	74	20th	47	19th	68·1	52·6	59·8	− 1·0	5	0·40	10	− 3	Lincoln	•	•	•	0	45	60·0	−0·8	56·9	+0·3
a Fulbeck	180	73	20, 21	46	19th	68·6	51·9	59·7	− 0·8	6	0·33	8	− 6	Fulbeck	5·5	− 0·8	34	•	•	—	—	—	—
														Skegness	6·3	− 0·2	39	•	•	—	—	•	—
3. ENGLAND, E.																							
p Cromer	196	74	20th	48	20, 24	67·1	51·3	58·7	− 1·3	3	0·49	12	− 4	Cromer	5·2	− 1·3	32	•	•	•	•	•	•
a Little Massingham	280	73	20th	46	19th	67·9	51·0	58·9	− 1·7	4	0·49	13	− 5	Lit. Massingham	5·3	− 0·9	33	•	•	•	•	•	•
a Yarmouth	13	76	20th	49	19th	68·6	54·7	61·2	+ 0·7	4	1·18	30	+ 15	Yarmouth	6·5	—	40	0	46	62·7	−1·5	58·9	−1·3
a Norwich	93	75	20th	48	19th	69·2	54·1	61·1	0·0	3	0·98	25	+ 8	Norwich	5·0	—	31	0	42	63·8	•	•	•
a Geldeston	37	77	20th	46	19th	70·4	53·1	61·2	+ 0·5	3	1·00	25	+ 10	Geldeston	5·8	− 0·8	36	•	•	•	•	•	•
p Cambridge	41	73	20th	44	19th	69·0	51·0	59·4	− 2·2	2	0·55	14	0	Cambridge	6·7	+ 0·3	42	0	39	63·5	+0·6	59·8	+0·7
a Clacton-on-Sea	54	72	19, 20	50	24th	68·9	55·6	61·8	+ 0·6	5	1·36	35	+ 23	Clacton	6·5	− 0·5	41	0	48	64·0	+2·7	60·3	+1·2
a Rothamsted	424	69	19th	48	19, 20, 24	65·7	52·0	58·4	− 2·1	2	1·25	32	+ 17	Rothamsted	6·5	0·0	40	0	40	60·8	•	•	•
p Tottenham	51	73	20th	50	24th	69·1	55·9	62·0	—	2	1·30	33	—	Tottenham	5·6	—	35	0	49	•	•	60·4	0·0
														S'thend-on-Sea	6·2	—	39	0	48	65·9	+1·1	—	—
4. MIDLAND COUNTIES.																							
a North. a Harrogate	479	69	20th	45	24th	63·4	49·4	55·9	− 2·4	6	1·10	28	+ 14	Harrogate	5·9	+ 0·3	36	0	39	56·6	−0·8	54·9	−0·6
p Sheffield	429	75	20th	48	18th	66·4	52·4	58·9	—	4	0·75	19	—	Sheffield	6·8	+ 1·3	42	0	40	59·8	+0·9	54·9	+0·5
p Buxton	987	70	20th	45	18th	61·7	49·4	55·1	—	5	1·28	33	+ 13	Buxton	4·9	—	30	0	38	57·9	−0·6	54·0	−0·2
b. East. a Worksop	56	77	20th	43	18th	69·4	51·0	59·6	− 0·6	4	0·36	9	− 3	Worksop	5·5	+ 0·5	34	0	36	59·8	—	56·3	—
a Nottingham	82	75	20th	46	18th	67·6	52·6	59·6	− 1·1	5	0·55	14	+ 2	Nottingham	6·1	+ 0·6	37	0	35	60·4	−0·5	57·9	+0·5
p Birmingham, Edgbn.	535	73	20th	47	18th	65·6	52·3	58·5	− 1·9	5	0·59	15	+ 3	Birmingham	5·3	+ 0·7	33	0	40	55·9	−0·3	52·0	−0·5
a Raunds	203	72	18, 20	45	19th	69·1	51·3	59·6	− 1·9	3	0·30	8	− 5	Raunds	6·0	—	37	0	40	61·7	•	55·8	•
p Oxford	208	71	19th	49	24th	67·4	53·3	59·9	− 1·8	3	0·67	17	+ 5	Oxford	5·8	− 0·3	36	0	45	•	•	•	•
c. West. a Cheadle (N. Staffs.)	646	72	20th	44	18th	64·7	50·3	57·0	− 1·7	5	0·81	21	+ 6	Malvern	5·9	—	37	0	39	61·4	—	58·1	—
p Tenbury	313	74	20th	42	18th	67·7	51·1	58·8	− 1·2	4	0·70	18	+ 8	Cheadle	•	•	•	0	37	•	•	•	•
a Hereford	291	74	20, 21	45	18th	68·7	51·4	59·5	− 1·2	4	0·31	8	− 3	Tenbury	•	•	•	0	36	60·5	—	—	—
a Clifton	228	67	19th	51	24th	63·9	55·6	59·5	− 3·1	5	0·87	22	+ 7	Ross-on-Wye	6·6	—	41	0	41	62·2	•	58·6	•
														Clifton	6·6	—	41	0	49	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	70	19th	44	18th	66·3	50·3	57·7	− 1·6	3	1·21	31	+ 16	Worthing	6·7	− 0·6	42	0	46	61·6	+0·6	60·2	+0·6
p Wilton Ho.*	180	70	19th	45	19th	67·6	51·3	58·9	− 2·6	3	0·91	23	+ 8	Marlborough	5·0	− 0·9	31	0	41	62·0	—	57·1	—
a Wisley, Surrey	150	74	19th	47	19th	68·6	53·4	60·5	− 0·9	2	0·96	24	+ 12	Wilton Ho.	•	•	•	0	42	62·9	•	•	•
a Tunbridge Wells	354	72	19th	47	19th	68·0	53·0	60·0	− 1·2	2	1·10	28	+ 14	Wisley	6·2	− 0·3	39	0	36	63·5	+0·9	59·1	+0·2
a Margate	51	72	22nd	51	24th	68·4	56·9	62·3	+ 0·2	2	0·69	18	+ 6	Tunbridge Wells	5·6	− 1·1	35	0	41	63·5	+0·2	59·6	—
														Margate	5·7	− 0·6	36	0	50	67·0	+5·0	63·2	+4·6
a Dungeness	21	68	21st	—	—	65·4	—	—	—	2	0·24	6	− 5	Folkestone	5·8	•	•	•	•	•	•	55·6	—
p St. Leonards	178	68	21st	49	19, 24	66·0	54·6	59·9	− 1·4	2	0·50	13	− 1	St. Leonards	6·3	− 1·0	40	0	47	65·0	—	60·3	—
p Southampton	64	72	19th	49	19, 24	66·9	53·0	59·5	− 3·4	3	1·04	26	+ 12	Southampton	5·9	− 0·9	37	0	40	•	•	•	•
a Ventnor	59	67	19th	50	24th	65·4	55·3	60·0	− 1·9	4	1·26	32	+ 20	Ventnor	6·1	− 1·0	38	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	72	19–21	50	19, 24	69·4	55·3	61·9	− 0·5	2	1·16	29	+ 16	Richmond	5·5	− 0·8	34	0	42	62·6	+0·5	58·3	+0·7
a Westminster	27	73	19th	50	19th	70·0	55·7	62·4	− 0·6	2	1·02	26	+ 12	Westminster	5·4	− 0·3	34	0	41	•	•	•	•
ag Greenwich	149	76	18, 19	49	19, 24	72·7	54·4	62·9	− 0·2	2	0·85	22	+ 9	Greenwich	6·2	− 1·4	39	0	39	•	•	•	•
a Hampstead	450	72	19th	48	19, 24	68·0	53·0	60·0	—	2	1·58	40	—	Hampstead	5·7	—	35	—	—	•	•	•	•
ag Camden Square	110	77	19th	49	19th	72·6	54·9	63·1	− 0·7	2	1·24	31	+ 16	Camden Square	—	—	—	0	47	•	•	•	•
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	62	21st	48	19, 24	59·3	49·7	54·2	− 3·7	6	1·21	31	+ 12	Aspatria	4·5	− 0·9	27	0	45	55·6	−4·8	53·0	−2·0
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	63	18, 19	49	19, 24	60·7	52·0	56·1	− 2·4	6	1·61	41	+ 19	Stonyhurst	5·1	− 0·2	31	0	43	•	•	•	•
p Blackpool	66	64	20th	52	24th	61·9	54·6	58·0	− 1·2	5	1·19	30	+ 14	Blackpool	5·6	− 0·7	34	0	48	60·7	—	54·7	—
a Southport	37	64	20th	51	24th	61·1	54·1	57·4	− 1·9	6	1·08	27	+ 11	Southport	5·9	− 0·3	36	0	49	63·3	−0·3	60·9	+0·6
														Hoylake	5·5	− 0·4	34	•	•	•	•	•	•
a Liverpool (Bidston)	188	71	20th	51	24th	62·4	52·9	57·3	− 2·6	5	1·22	31	+ 17	Liverpool	5·1	—	31	0	45	•	•	•	•
a Hawarden Bridge	22	72	20th	50	18th	64·7	53·9	58·9	− 1·6	5	1·30	33	+ 20	Manchester (City)	4·2	− 0·2	26	0	50	59·0	−1·8	58·2	+0·2
p Manchester (Whit. Pk.)	125	69	20th	49	18th	64·7	52·9	58·4	− 2·1	4	1·27	32	+ 14	Whitworth Park	3·6	− 1·0	22	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	68	20th	49	24th	62·1	52·7	57·1	− 3·0	5	1·30	33	+ 20	Llandudno	5·9	− 0·1	36	•	•	•	•	•	•
a Holyhead	15	63	20th	51	22, 24	61·1	52·9	56·7	− 1·9	4	1·26	32	+ 18	Holyhead	5·0	—	31	0	48	•	•	•	•
a Aberdovey	22	62	19, 20	51	24th	60·9	54·3	57·4	—	6	2·04	52	—	Aberdovey	5·0	− 0·8	31	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
c. a. SOUTH WALES.																							
a Aberystwyth	59	63	19, 20	52	24th	60·9	54·1	57·3	—	6	1·00	25	—	Aberystwyth ..	4·6	- 1·0	28	•	•	•	•	•	•
a Rhayader	757	68	20th	45	18th	62·1	50·7	56·0	—	5	0·58	15	—	Rhayader ..	5·9	—	36	0	37	•	•	•	•
a St. Ann's Head ..	149	60	19th	51	24th	59·0	53·9	56·3	- 2·4	6	0·56	14	- 1	St. Ann's Head	5·5	- 0·9	34	•	•	•	•	•	•
p Cardiff	202	65	19th	49	18th	62·6	53·3	57·6	- 2·8	4	0·71	18	- 2	Cardiff	5·9	—	37	0	43	61·4	+0·3	57·5	-0·7
b. ENGLAND, S.W.																							
a Bath	66	68	19th	50	18th	65·9	54·1	59·6	- 1·6	4	1·61	41	+ 26	Bath	5·1	- 1·3	32	—	—	62·9	-0·6	59·9	-0·1
a Shaftesbury	722	69	19th	46	24th	64·0	49·9	56·5	- 3·5	4	1·09	28	+ 12	Shaftesbury ..	•	•	•	•	•	60·3	—	57·0	—
a Arlington	613	65	19th	46	18th	61·9	51·5	56·3	- 2·4	6	1·29	33	+ 8										
d Newquay	190	66	21st	52	24th	62·6	54·8	58·4	- 1·8	3	0·33	8	- 6	Newquay ..	6·2	- 0·2	39	—	—	62·3	—	57·9	—
a Cullompton	202	71	19th	46	18th	67·4	52·4	59·4	- 1·3	6	0·83	21	+ 5	Cullompton ..	6·5	+ 0·7	41	0	43	61·8	•	•	•
a Portland Bill	19	63	19, 22	50	24th	61·9	55·0	58·2	- 2·2	2	0·47	12	+ 1	Weymouth ..	6·9	—	43	•	•	•	•	•	•
p Plymouth	116	68	19th	49	18th	64·1	54·4	58·9	- 2·2	5	0·19	5	- 12	Plymouth ..	6·1	- 0·4	38	0	45	62·7	-2·4	59·0	—
a Falmouth	167	68	21st	49	18th	65·0	53·3	58·7	- 1·8	4	0·24	6	- 11	Falmouth ..	6·9	0·0	44	0	43	63·9	—	61·2	—
9. IRELAND, N.																							
a West .. a Mallarany	120	64	20th	47	24th	60·7	51·0	55·5	—	5	1·82	46	—	Mallarany ..	3·9	—	24	0	43	—	—	•	•
a West .. a Malin Head	208	62	19th	47	24th	58·7	51·4	54·8	- 1·7	5	0·39	10	- 8	Malin Head ..	7·0	—	42	•	•	•	•	•	•
a West .. a Blacksod Point ..	37	62	21st	47	24th	60·6	51·0	55·5	- 2·1	7	0·76	19	- 1	Markree Castle	6·4	+ 2·3	39	0	34	59·6	-1·0	56·0	0·0
a West .. p Markree Castle ..	122	67	21st	43	19th	62·9	48·4	55·2	- 1·8	6	0·87	22	0										
b, East .. p Armagh	196	67	21st	43	24th	64·4	48·9	56·1	— 1·7	5	0·62	16	- 2	Armagh	5·0	+ 0·6	30	0	37	58·7	-2·5	55·7	-1·2
b, East .. a Donaghadee ..	39	66	20th	45	24th	62·3	49·0	55·2	- 2·1	4	0·59	15	- 3										
10. IRELAND, S.																							
p Dublin, City	47	68	20th	46	24th	64·0	52·1	57·6	- 2·8	5	0·62	16	+ 3	Trinity Coll. ..	4·3	—	26	0	41	60·4	-0·5	57·3	-0·1
a Birr Castle	175	64	18, 24	43	24th	62·0	49·4	55·3	- 3·5	7	0·60	15	0	Phœnix Park ..	5·1	0·0	32	0	38	•	•	•	•
a Kilkenny	195	68	20th	43	24th	63·9	50·3	56·6	- 2·7	7	0·79	20	+ 5	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	137	73	20th	45	24th	64·4	50·9	57·2	- 2·8	7	1·19	30	+ 14	Birr Castle ..	3·2	- 1·2	20	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	535	70	20th	44	24th	63·1	49·7	55·9	—	7	1·18	30	—	Seskin	4·5	—	28	0	41	•	•	•	•
a Cahir	198	68	20th	46	20, 23	62·1	49·6	55·4	- 3·9	7	1·40	36	—										
a Foynes	50	63	18th	47	24th	60·6	52·0	56·0	- 3·2	7	0·99	25	+ 9										
a Cahirciveen (Val. Obs.)	30	60	18th	51	24th	58·0	53·9	55·8	- 3·3	6	1·10	28	+ 8	Cahirciveen ..	2·7	- 2·1	17	0	46	•	•	•	•
a Killarney	174	65	20th	47	24th	62·0	50·9	56·1	- 3·3	7	0·86	22	+ 5	Ballinacurra ..	3·1	- 2·2	19	•	•	•	•	•	•
a Roche's Point	32	67	20th	47	19th	62·1	51·0	56·2	- 3·1	7	1·16	29	+ 14										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	18, 19, 22	54	18, 19, 24	62·4	55·0	58·4	- 2·2	6	0·23	6	- 7	Scilly	6·5	- 0·1	41	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	21st	50	20th	65·9	55·4	60·3	- 2·0	1	0·24	6	- 6	St. Heliers ..	9·1	+ 1·6	57	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	67	19, 20	52	20th	65·0	55·1	59·7	- 2·2	3	0·13	3	- 10	Guernsey† ..	8·1	+ 0·5	51	0	48	63·1	-0·3	59·8	-0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 24th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	20, 23	3	75	77	13	0	240	12	23	8	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	—	96	72	0	270	5	24	9	13	24	7	50
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	15	121	32	0	310	9	24	10	—	—	—	—
Edinburgh	486	39	31	—	—	—	—	110	55	3	0	230	10	20	2	16	22	16	40
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	—	—	64	63	41	0	230	10	19	15	15	22	15	25
Paisley	188	81	15	—	—	—	—	32	122	14	0	310	7	24	9	17	22	10	15
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	2	97	69	0	260	6	20	14	15	20	13	15
South Shields	72	61	12	—	—	20	1	30	95	42	0	290	12	20	16	18	20	15	40
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	—	23	5	41	102	20	0	230	11	23	11	18	23	10	35
Shoeburyness	103	90	‡	—	—	23	11	50	100	7	0	220	16	23	13	21	23	12	45
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	—	—	39	79	15	35	200	10	23	11	16	23	10	10
5. ENGLAND, S.E. Brighton	261	53	6	—	—	23	2	67	61	38	0	—	11	23	13	21	23	13	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	29	122	17	0	200	11	23	11	18	23	11	5
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	20, 22 to 24	17	95	54	2	0	320	15	24	7	—	—	—	—
Southport	80	62	48	—	—	22 to 24	32	95	34	7	0	310	14	24	6	19	24	6	35
Holyhead	60	40	‡	—	—	19, 22, 24	8	85	65	10	0	220	12	22	15	19	19	22	40
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	—	20, 22 to 24	24	91	43	10	0	230	17	23	7	21	24	1	40
Plymouth	185	88	2	—	—	23	3	44	92	29	0	—	12	23	8	18	23	8	55
Lyme Regis	556	61	‡	—	—	23	1	12	77	78	0	—	11	23	10	17	24	3	20
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	20, 22	6	88	60	14	0	250	13	20	11	—	—	—	—
Quilty	100	40	‡	—	—	—	—	99	51	18	0	—	10	22	17	15	22	17	10
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	76	76	5	11	250	10	22	15	16	22	14	55
Weaver Pt.	160	30	‡	—	—	22, 23	3	61	97	7	0	—	11	23	1	19	23	0	10
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	—	—	57	92	15	4	330	10	24	1	16	24	1	30

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

TWENTY-NINTH WEEK of 1920—July 18th to July 24th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	66	44	88·8	82·4	85·4	− 0·4	86	− 5	0	0	6	+ 1	0·94	24	+ 1	4·5	+0·5	26	1007
Eastern.																			
1. SCOTLAND, EAST ...	68	39	89·9	81·9	85·6	− 1·1	89	− 15	0	0	5	+ 1	0·41	10	− 8	5·9	+0·8	35	1009
2. ENGLAND, N.E.	75	45	92·0	83·7	87·6	− 0·3	113	− 4	0	0	5	+ 2	0·69	18	+ 3	5·4	−0·2	33	1012
3. ENGLAND, EAST ...	77	44	93·2	84·8	88·7	− 0·4	128	− 4	0	0	3	0	0·96	24	+ 9	6·0	−0·5	37	1015
4. MIDLAND COUNTIES ...	77	42	92·3	84·0	87·9	− 0·8	118	− 9	0	0	4	+ 1	0·63	16	+ 4	6·1	+0·5	37	1014
5. ENGLAND, S.E.	74	44	92·7	85·1	88·6	− 0·8	127	− 10	0	0	3	0	0·91	23	+ 10	5·9	−0·9	37	1016
Western.																			
6. SCOTLAND, WEST ...	66	44	89·8	82·9	86·1	− 1·0	95	− 14	0	0	5	+ 1	0·59	15	− 5	6·1	+0·6	37	1011
7. ENGLAND, N.W.	72	48	89·7	84·5	86·9	− 1·1	106	− 13	0	0	5	+ 1	1·29	33	+ 16	5·3	−0·3	32	1013
8. ENGLAND, S.W.	71	45	90·4	84·6	87·3	− 1·3	111	− 16	0	0	5	+ 1	0·76	19	+ 1	5·8	−0·2	36	1016
9. IRELAND, NORTH ...	67	43	89·6	82·8	86·0	− 1·1	94	− 14	0	0	6	+ 1	0·64	16	− 4	5·7	+1·4	34	1012
10. IRELAND, SOUTH ...	73	43	89·7	83·6	86·4	− 1·8	99	− 23	0	0	7	+ 3	0·97	25	+ 9	3·5	−1·4	22	1016
11. ENGLISH CHANNEL ...	70	50	91·0	85·9	88·3	− 1·0	123	− 13	0	0	3	− 1	0·20	5	− 8	7·9	+0·6	50	1019

THE SEASON (Summer).—Aggregates, &c., for the Period of 8 Weeks, May 30th to July 24th, 1920.

0. SCOTLAND, NORTH ...	79	35	88·7	81·5	84·9	+ 0·2	637	+ 8	0	− 2	30	− 2	4·90	126	− 12	6·8	+1·8	37	1012
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·5	81·0	85·0	− 0·6	650	− 58	3	+ 2	29	+ 1	4·30	108	− 6	6·2	+0·4	36	1013
2. ENGLAND, N.E.	79	31	90·9	83·0	86·7	+ 0·2	815	+ 15	0	0	30	+ 6	4·56	117	+ 18	5·9	−0·3	35	1014
3. ENGLAND, EAST ...	80	35	92·3	83·7	87·7	+ 0·1	920	+ 12	0	0	24	0	4·12	103	+ 7	6·7	−0·2	41	1016
4. MIDLAND COUNTIES ...	81	32	91·6	82·9	87·0	− 0·3	847	− 38	0	0	32	+ 8	6·47	159	+ 59	5·0	−1·2	30	1015
5. ENGLAND, S.E.	78	33	92·0	84·0	87·7	− 0·2	921	− 23	0	0	24	+ 1	5·67	144	+ 54	6·2	−1·0	39	1016
Western.																			
6. SCOTLAND, WEST ...	80	36	89·9	82·6	86·0	− 0·2	750	− 20	0	0	35	+ 5	6·10	155	+ 11	5·4	−0·8	32	1013
7. ENGLAND, N.W.	80	35	90·1	83·5	86·6	− 0·2	813	− 20	0	0	35	+ 9	6·96	176	+ 58	4·9	−1·5	29	1014
8. ENGLAND, S.W.	75	33	90·4	83·8	86·9	− 0·4	842	− 37	0	0	35	+ 9	6·85	174	+ 59	5·3	−1·4	32	1016
9. IRELAND, NORTH ...	70	35	89·5	82·6	85·7	− 0·5	720	− 47	0	0	36	+ 3	5·26	133	+ 2	5·0	−0·3	30	1013
10. IRELAND, SOUTH ...	74	35	90·2	83·3	86·5	− 0·5	798	− 60	0	0	35	+ 7	5·38	137	+ 12	5·2	−0·6	31	1015
11. ENGLISH CHANNEL ...	70	40	90·5	85·2	87·7	− 0·2	921	− 22	0	0	25	0	4·56	116	+ 25	6·9	−1·0	43	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 29 Weeks, January 4th to July 24th, 1920.

0. SCOTLAND, NORTH ...	79	19	83·7	77·3	80·4	+ 0·6	1066	+ 55	387	−152	138	+ 6	35·21	894	+241	4·1	+0·5	31	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	84·3	76·9	80·5	+ 0·5	1133	− 22	456	−161	125	+12	17·81	452	+ 58	4·3	+0·1	33	1009
2. ENGLAND, N.E.	79	24	85·6	78·4	81·8	+ 1·0	1509	+214	280	−192	118	+17	16·67	426	+116	4·2	−0·3	32	1012
3. ENGLAND, EAST ...	84	20	86·9	78·8	82·7	+ 1·4	1792	+278	270	−224	102	+ 3	12·41	316	+ 14	4·8	0·0	37	1015
4. MIDLAND COUNTIES ...	82	20	86·8	78·6	82·3	+ 1·1	1654	+137	263	−259	122	+24	19·93	505	+169	3·7	−0·6	29	1014
5. ENGLAND, S.E.	81	17	86·9	79·5	83·1	+ 1·2	1855	+240	166	−213	107	+11	15·44	394	+ 65	4·5	−0·4	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	84·7	78·3	81·4	+ 0·5	1326	+ 42	269	−147	147	+27	29·37	748	+164	3·6	−0·7	27	1011
7. ENGLAND, N.W.	81	22	85·3	79·2	82·1	+ 0·8	1514	+139	187	−195	134	+28	26·02	660	+237	3·6	−0·8	27	1012
8. ENGLAND, S.W.	78	17	85 9	79·7	82·7	+ 0·8	1659	+122	131	−170	133	+27	24·45	619	+151	4·0	−0·8	30	1015
9. IRELAND, NORTH ...	77	23	85·1	78·4	81·6	+ 0·3	1404	+ 61	241	− 99	149	+19	22·63	575	+ 94	3·6	−0·4	28	1010
10. IRELAND, SOUTH ...	78	22	85·9	79·3	82·5	+ 0·4	1603	+ 20	145	−115	143	+28	25·18	638	+132	3·9	−0·5	29	1013
11. ENGLISH CHANNEL ...	75	29	86·4	81·5	83·9	+ 0·8	1978	+209	20	− 85	109	− 2	15·77	398	+ 14	5·1	−0·5	39	1016
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 30th July, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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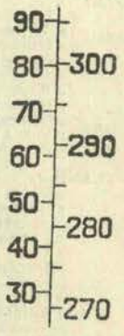
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) No. 30

THIRTIETH WEEK,
SUNDAY, JULY 25TH TO SATURDAY, JULY 31ST, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the week barometric pressure was high between the Azores and our south-west coasts and low in the Iceland region, while numerous secondary depressions moved eastward across the United Kingdom. Unsettled weather prevailed very generally, and in many parts of southern England rain fell on each day in the week; soon after midnight on Monday there was a gale of brief duration over the south-west of England, and thunderstorms, accompanied in some instances by hail, occurred on that day and the next. The warmest day of the week was Saturday, when maxima of 294a and above were recorded at many of the English stations, but as a rule the maxima ranged between 289a and 291a. Minima of 277a or below occurred on at least one day over the eastern section, while on the morning of the 25th or 27th grass minima of about 274a were common in various parts of Great Britain. The mean temperature of the week was below the normal in all districts, the deviation ranging from about 1·5a to 2·5a. Rainfall was less than the normal in Scotland E., equal to it in England N.E. and England S.E., but in all other districts there was an excess. On the 25th over the Irish Sea and the surrounding districts the rainfall was very heavy, measurements for the day varying between 20mm. and 34mm., the latter value being recorded at Dublin and Hawarden (Cheshire). Bright sunshine was deficient in all districts, particularly in England S.E., where the daily mean, 3·5 hr., was 2·9 hr. less than the normal. Solar halos were observed on various dates in different parts of Great Britain, and lunar halos at Tenbury and Ross-on-Wye on the 27th, and at Falmouth on the 28th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	4·8	16	2·8	16	3·6	14	2·8	16	3·6	14	2·9	11	3·1	13	3·2
North	16	4·0	10	1·8	7	1·8	3	2·3	9	6·4	11	4·7	11	4·1	14	4·9
West	25	5·2	26	4·9	21	3·8	17	3·0	25	4·2	25	5·1	23	5·4	23	3·9
East	1	1·3	2	2·6	2	3·0	1	1·0	1	4·9	1	0·6	4	4·4	3	1·7
Calm	1	—	0	—	4	—	9	—	0	—	0	—	1	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Moderate	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Moderate	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 9 weeks from May 30th, 1920.	Warmth ...	1, 5, 3	1, 3, 5	3, 3, 3	4, 2, 3	1, 5, 3	1, 4, 4	1, 4, 4	1, 5, 3	1, 2, 6	1, 4, 4	0, 4, 5	2, 3, 4
	Rainfall ...	1, 6, 2	2, 4, 3	2, 5, 2	3, 4, 2	5, 2, 2	5, 3, 1	3, 5, 1	7, 0, 2	5, 3, 1	1, 6, 2	3, 5, 1	5, 2, 2
	Sunshine ...	5, 3, 1	3, 3, 3	2, 3, 4	2, 4, 3	0, 4, 5	0, 6, 3	1, 2, 6	1, 2, 6	1, 3, 5	2, 2, 5	1, 3, 5	1, 3, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 2° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29504—19) Wt. 24—561/P 25 500 8/20 H. St. G. 17 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days	Rainfall in the Week		Deviation from Normal.		Daily Mean	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F.	° .
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	58	31st	44	28, 28	55·6	46·7	50·8	- 1·7	7	0·63	16	+ 4										
p Deerness, Orkney ..	165	58	30th	45	26th	56·6	47·7	51·8	—	7	0·41	11	- 2	Deerness ..	4·6	+ 0·3	27	•	•	•	•	•	•
a Stornoway	31	60	29th	42	25th	58·0	48·0	52·7	- 1·7	7	1·06	27	+ 11	Stornoway ..	3·0	- 1·6	18	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	57	25, 27, 29	46	25th	56·1	49·6	52·6	—	6	—	—	—	Castlebay ..	4·5	—	27	•	•	•	•	•	•
b, Mainland. a Wick	81	62	29th	38	25th	58·4	44·7	51·1	- 3·1	5	0·75	19	+ 6										
a Strathpeffer	125	63	27, 29, 31	40	25th	61·1	46·6	53·4	- 3·0	3	0·59	15	+ 3										
p Glencarron	500	59	25th	42	26th	57·4	46·4	51·5	- 2·9	5	1·36	35	+ 7										
a Fort Augustus	68	63	27th	45	25th	60·7	48·9	54·4	- 1·8	4	0·57	14	- 1										
p Fort William	171	63	25th	45	25th	60·1	49·6	54·5	- 2·2	6	1·09	28	+ 3										
1. SCOTLAND, E.																							
a Nairn	82	66	29th	44	25th	62·6	47·4	54·5	- 1·3	6	0·32	8	- 6	Nairn	4·7	—	28	•	•	•	•	•	•
p Gordon Castle	101	—	—	—	—	—	—	—	—	—	—	—	—	Gordon Castle ..	—	—	—	•	•	•	•	•	•
a Aberdeen	46	66	30th	44	25th	61·4	48·7	54·6	- 1·2	4	0·36	9	- 6	Aberdeen ..	4·8	+ 0·2	29	0	39	•	•	53·6	+0·1
a Balmoral	930	62	28th	38	25th	58·7	44·3	51·0	- 2·6	4	0·24	6	- 10	Balmoral ..	•	•	•	0	35	•	•	•	•
p Crieff	432	63	25th	40	25, 27	59·9	46·4	52·7	- 4·4	5	0·36	9	- 10	Crathes	4·0	- 0·4	24	0	37	57·8	- 0·5	55·0	+0·2
a Dundee	244	66	28th	40	25th	62·9	46·4	54·1	- 3·1	5	0·27	7	- 10	Dundee	4·7	—	28	0	33	57·3	•	•	•
a Leith	30	63	25, 28, 31	46	25th	62·0	50·1	55·6	- 2·2	3	0·47	12	- 3	Leith	•	•	•	0	43	•	•	•	•
p Edinburgh	441	63	28th	45	25th	60·0	48·4	53·8	- 2·3	4	0·50	13	- 2	Edinburgh ..	2·8	- 1·9	17	0	41	•	•	•	•
a West Linton	769	59	28, 30, 31	41	25th	57·3	45·9	51·2	- 2·6	6	0·76	19	—	West Linton ..	1·6	—	10	0	36	•	•	•	•
p Marchmont	498	63	28, 30, 31	43	25th	60·7	47·0	53·4	- 2·4	5	0·31	8	- 9	Marchmont ..	4·3	- 0·3	26	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	62	30th	40	26th	59·7	46·2	52·5	—	5	1·39	35	—	Ford (Argyll) ..	•	•	•	0	32	58·5	•	55·0	—
p Glasgow Observatory	180	61	31st	46	25, 27	59·0	49·3	53·8	- 3·6	6	0·82	21	+ 3	Glasgow	2·5	- 1·7	15	0	36	•	•	•	•
p Renfrew	120	62	28, 30, 31	43	25th	60·4	49·0	54·3	—	7	0·65	17	—	Renfrew	3·5	—	21	0	36	—	—	—	—
p Rothesay	200	60	30th	44	27th	58·7	47·4	52·7	- 4·5	6	1·26	32	+ 9	Rothesay	2·7	—	17	0	40	56·9	•	55·0	-0·4
a Kilmarnock	90	64	25th	42	27th	61·3	49·3	54·9	- 1·6	5	0·53	14	- 5	Kilmarnock ..	2·8	—	17	•	•	56·0	•	54·1	—
a Colmonell	170	62	27th	46	25th	60·4	50·3	55·0	- 1·1	6	0·89	23	+ 5	Colmonell	•	•	•	0	43	•	•	•	•
p Dumfries	160	63	30th	43	25th	60·9	48·7	54·4	- 3·9	5	1·03	26	+ 8	Dumfries	3·2	—	20	0	35	57·1	- 3·7	55·0	- 3·9
a Eskdalemuir	794	61	30th	39	25th	57·9	45·6	51·3	—	6	0·90	23	—	Eskdalemuir ..	2·9	—	18	0	32	•	•	•	•
b, I. OF MAN p Douglas	277	63	30th	49	25–28	60·0	50·6	55·0	- 2·1	7	1·23	31	+ 13	Douglas	4·6	- 1·2	29	0	45	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	68	30th	45	25th	62·8	48·6	55·2	- 1·9	3	0·27	7	— 13										
a Tynemouth	118	65	28, 29	47	27th	61·1	50·7	55·5	- 1·7	4	0·39	10	- 8	Cockle Park ..	4·5	- 0·4	28	0	39	54·6	- 3·3	54·0	-1·3
p Durham	336	65	28–30	44	27th	62·1	48·1	54·6	- 3·3	5	0·66	17	- 2	Durham	2·7	- 1·9	17	0	35	•	•	•	•
a North .. p Rounton	249	66	29, 31	44	27th	62·4	48·3	54·9	- 2·4	5	0·68	17	- 4	Rounton	•	•	•	0	34	57·5	•	•	•
a West Witton	605	65	31st	44	28th	62·3	47·7	54·5	—	3	0·88	17	—	West Witton ..	•	•	•	0	40	56·6	—	53·9	—
p Scarborough	100	72	29–31	45	27th	65·7	49·1	58·8	- 1·9	4	1·03	26	+ 8	Scarborough ..	4·4	- 0·7	27	•	•	•	•	58·2	—
p York	56	69	31st	45	27th	64·1	49·0	56·0	- 3·7	6	0·95	24	+ 6	York	4·2	- 0·6	26	—	—	57·8	- 1·8	56·1	-0·6
b, South .. a Spurn Head	26	66	29th	48	25, 27, 28	61·9	50·1	55·6	- 3·7	6	0·84	21	+ 7	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	71	31st	43	27th	65·6	48·7	56·8	- 3·7	6	0·65	17	0	Lincoln	•	•	•	0	43	58·0	- 2·9	57·1	0·0
a Fulbeck	180	70	31st	38	27th	64·7	46·9	55·2	- 4·9	5	0·93	24	+ 6	Fulbeck	4·7	- 1·0	30	•	•	—	—	—	—
														Skegness ..	6·1	+ 0·1	38	•	•	..	.	•	•
3. ENGLAND, E.																							
p Cromer	196	67	25, 29	42	25, 26	64·3	46·9	55·0	- 4·8	5	0·75	19	+ 3	Cromer	5·5	- 0·4	34	•	•	•	•	•	•
a Little Massingham ..	280	70	31st	41	27th	63·4	46·0	54·1	- 6·0	5	0·85	22	+ 3	Lit. Massingham	5·4	- 0·2	34	•	•	•	•	•	•
a Yarmouth	13	69	30th	44	27th	64·6	50·0	56·8	- 3·4	5	0·60	15	- 1	Yarmouth ..	5·8	—	36	0	43	60·3	- 3·6	59·0	-1·7
a Norwich	93	70	31st	44	25, 27	64·7	48·7	56·1	- 4·6	5	0·74	19	+ 2	Norwich	5·0	—	31	0	40	59·9	•	•	•
a Geldeston	37	73	31st	42	27th	66·1	47·6	56·2	- 4·1	4	0·44	11	- 4	Geldeston ..	6·0	- 0·9	32	•	•	•	•	•	•
p Cambridge	41	71	31st	36	25th	65·4	44·1	54·0	- 7·1	5	0·52	13	- 2	Cambridge ..	†4·0	- 1·8	25	0	35	60·7	- 2·2	59·8	+0·3
a Clacton-on-Sea ..	54	67	29, 31	47	25, 27	64·3	52·0	57·7	- 3·2	6	0·46	12	- 1	Clacton	4·5	- 1·9	28	0	42	59·9	- 1·3	59·9	+0·3
a Rothamsted	424	69	31st	41	25th	63·7	48·0	55·3	- 4·7	6	0·81	21	+ 5	Rothamsted ..	3·6	- 2·3	23	0	36	58·1	•	•	•
p Tottenham	51	70	31st	47	27th	64·3	52·3	57·9	—	6	0·72	18	—	Tottenham ..	2·8	—	18	0	44	•	•	60·5	- 0·3
														Sthend-on-Sea	4·5	—	29	0	45	62·2	- 4·1	—	—
4a. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	68	31st	44	27th	61·9	47·9	54·4	- 3·6	4	0·93	24	+ 3	Harrogate	4·1	- 1·1	25	0	38	55·3	- 2·2	54·8	-1·0
p Sheffield	429	69	31st	46	27th	63·4	49·6	56·0	—	4	0·68	17	—	Sheffield	4·0	- 1·1	25	0	40	57·2	- 1·9	55·3	+0·4
p Buxton	987	65	31st	39	31st	59·7	45·4	52·1	—	6	1·33	34	+ 2	Buxton	4·0	—	25	0	34	56·2	- 2·1	54·6	+0·1
a Worksop	56	71	31st	41	27th	66·0	47·0	55·8	- 4·0	6	0·84	21	+ 3	Worksop	4·2	- 0·5	26	0	34	58·1	—	56·3	—
a Nottingham	82	70	31st	41	27th	63·7	47·1	54·8	- 5·4	7	1·28	32	+ 13	Nottingham ..	3·5	- 1·6	22	0	40	57·3	- 3·6	57·6	-0·4
b, East .. p Birmingham, Edgbas.	535	70	31st	46	25th	63·9	49·4	56·2	- 3·8	5	0·55	14	- 5	Birmingham ..	3·2	- 1·2	20	0	35	53·9	- 2·4	52·4	-0·5
a Raunds	203	71	31st	40	25th	64·1	48·1	55·5	- 5·6	5	0·74	19	- 1	Raunds	3·7	—	23	0	32	58·8	—	55·8	—
p Oxford	208	69	31st	45	25th	64·0	49·6	56·3	- 5·0	5	1·09	28	+ 10	Oxford	3·5	- 2·2	22	0	37	•	•	•	•
														Malvern ..	4·7	—	30	0	42	59·5	—	58·4	—
a Cheadle (N. Staffs.) ..	646	67	29th	44	27th	61·1	47·7	53·9	- 4·4	5	1·02	26	+ 2	Cheadle	•	•	•	0	37	•	•	•	•
c, West .. p Tenbury	313	72	31st	41	27th	66·4	46·7	55·9	- 3·6	6	0·72	18	0	Tenbury	•	•	•	0	36	59·3	—	—	—
a Hereford	291	71	29th	43	27th	64·9	48·7	56·2	- 4·1	7	0·93	24	+ 6	Ross-on-Wye ..	5·1	—	32	0	37	60·5	—	58·8	—
a Clifton	226	69	31st	48	25th	63·4	51·9	57·3	- 4·9	5	1·19	30	+ 6	Clifton	4·4	—	28	0	45	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	69	29th	38	25th	63·1	47·9	55·0	- 4·0	7	1·02	26	+ 9	Worthing	3·8	- 3·1	24	0	43	61·8	- 2·3	60·2	+0·2
p Wilton Ho.*	180	69	31st	41	25th	64·6	49·0	56·3	- 4·8	5	0·82	21	+ 4	Marlborough ..	3·0	- 2·5	19	0	36	59·6	—	57·3	—
a Wisley, Surrey ..	150	70	31st	45	27th	64·9	50·6	57·3	- 3·8	5	0·59	15	+ 2	Wilton Ho. ..	•	•	•	0	38	61·5	•	•	•
a Tunbridge Wells ..	354	69	29, 31	42	25, 27	63·6	48·9	55·7	- 5·2	4	0·40	10	— 5	Wisley	3·5	- 2·7	22	0	34	61·0	- 1·7	59·3	0·0
a Margate	51	66	25, 29, 31	49	28th	64·3	53·3	58·4	- 3·6	5	0·48	12	— 1	Tunbridge Wells	2·8	- 3·6	18	0	39	60·7	- 3·1	59·6	—
														Margate	4·4	- 1·6	28	0	45	62·7	+ 0·5	62·8	+ 3·8
a Dungeness .. .	21	66	31st	47	27, 28	63·4	51·4	57·0	- 4·0	4	0·36	9	- 4	Folkestone ..	4·7	—	30	•	•	•	•	56·0	—
p St. Leonards	178	68	29th	48	27th	63·7	52·6	57·8	- 3·5	4	0·44	11	- 4	St. Leonards ..	3·9	- 3·0	25	0	44	62·1	—	60·5	—
p Southampton	64	71	29th	45	25th	64·4	50·7	57·1	- 5·5	5	0·50	13	— 3	Southampton ..	3·1	- 3·4	20	0	38	•	•	•	•
a Ventnor	59	66	29–31	50	25, 27	64·4	53·3	58·5	- 3·4	5	0·61	16	+ 2	Ventnor	3·0	- 3·6	19	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	71	31st	46	25, 28	64·6	51·0	57·3	- 4·7	5	0·54	14	— 1	Richmond	2·7	- 3·2	17	0	34	59·4	- 2·8	58·6	+0·5
a Westminster	27	71	31st	46	27th	65·3	51·6	58·0	- 4·7	6	0·96	24	+ 9	Westminster ..	2·6	- 2·8	16	0	39	•	•	•	•
ag Greenwich	149	74	31st	44	25, 27	67·0	49·9	57·9	- 5·4	5	0·44	11	- 2	Greenwich ..	2·9	- 4·7	19	0	37	•	•	•	•
a Hampstead	450	69	31st	45	25th	62·6	49·4	55·5	—	5	0·81	21	—	Hampstead ..	2·9	—	19	—	—	•	•	•	•
ag Camden Square ..	110	75	31st	45	27th	67·1	50·3	58·1	- 5·4	5	0·91	23	+ 7	Camden Square	—	—	—	0	42	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	28, 31	41	27th	58·6	48·6	53·3	- 4·5	6	1·02	26	+ 1	Aspatria	2·5	- 2·6	15	0	41	54·8	- 5·2	53·1	-2·1
p Newton Rigg	559	—	—	—	—	—	—	—	—	4	0·62	16	- 5	Newton Rigg ..	1·8	- 3·3	11	—	—	55·3	- 4·7	54·8	-0·8
p Stonyhurst	375	65	31st	47	27th	60·4	50·0	54·8	- 3·4	6	1·50	38	+ 9	Stonyhurst ..	3·4	- 1·6	21	0	42	•	•	•	•
p Blackpool	66	65	31st	46	27th	61·7	51·6	56·3	- 2·7	6	1·18	30	+ 9	Blackpool ..	4·2	- 1·8	26	0	39	59·3	—	55·2	—
a Southport	37	66	31st	47	27th	61·4	51·6	56·2	- 2·9	5	1·13	29	+ 8	Southport ..	4·7	- 1·1	30	0	39	61·6	- 1·8	60·5	-0·1
														Hoylake ..	5·2	- 0·3	33	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	66	31st	49	27, 28	61·4	51·4	56·1	- 3·6	5	1·50	38	+ 19	Liverpool ..	5·3	—	33	0	45	•	•	•	•
a Hawarden Bridge ..	22	67	29th	49	27th	62·3	52·4	57·0	- 3·4	3	1·54	39	+ 23	Manchester (City	3·7	- 0·4	23	0	48	58·4	- 2·6	58·2	-0·4
p Manchester (Whit. Pk.)	125	69	30, 31	46	27, 31	64·4	49·9	56·7	- 3·6	6	1·81	46	+ 24	Whitworth Park	2·9	- 1·5	18	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	66	29th	50	28th	61·1	52·7	56·6	- 3·3	5	1·57	40	+ 23	Llandudno ..	4·5	- 1·2	28	•	•	•	•	•	•
a Holyhead ..	15	65	30th	50	28th	60·9	51·9	56·1	- 2·4	7	3·00	76	+ 57	Holyhead ..	4·6	—	29	0	50	•	•	•	•
a Aberdovey	22	63	28th	50	27th	61·3	52·7	56·7	—	6	2·67	68	—	Aberdovey ..	4·7	- 0·8	29	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																						
a Aberystwyth	59	64	30th	52	25, 28, 31	60·4	53·0	56·4	—	7	1·69	43	—	Aberystwyth ..	5·0	– 0·3	32	•	•	•	•	•	•
a Rhayader	757	60	31st	41	27th	62·9	47·1	53·5		7	1·47	37	—	Rhayader ..	5·6	—	35	0	36	•	•	•	•
a St. Ann's Head ..	149	61	31st	50	26, 27	58·7	52·4	55·3	– 3·4	7	1·30	33	+ 14	St. Ann's Head ..	6·1	+ 0·1	39	•	•	•	•	•	•
p Cardiff	202	67	31st	47	25, 27	63·0	50·9	56·5	– 3·7	7	1·53	39	+ 15	Cardiff	4·9	—	31	0	40	59·9	–1·2	58·0	–0·6
b. ENGLAND, S.W.																						
a Bath	88	70	31st	43	25th	63·9	51·3	57·2	– 3·7	7	0·99	25	+ 7	Bath	3·4	– 2·6	22	—	—	61·3	–2·7	60·0	–0·5
a Shaftesbury	722	66	29, 31	44	25th	62·0	48·0	54·5	– 5·2	7	1·13	29	+ 10	Shaftesbury ..	•	•	•	•	•	57·9	—	57·1	—
a Arlington	613	63	29th	45	25th	60·3	50·1	54·8	– 3·7	7	2·19	56	+ 26										
a Newquay	190	62	29th	49	25th	60·2	53·3	56·5	– 3·6	6	1·18	30	+ 13	Newquay ..	5·1	– 1·0	32	—	—	60·9	—	58·3	—
a Cullompton	202	71	31st	44	25th	65·1	50·1	57·1	– 3·3	6	0·87	22	+ 2	Cullompton ..	3·9	– 1·6	25	0	40	60·1	•	•	•
a Portland Bill ..	19	64	30th	52	27, 29	61·7	53·6	57·4	– 3·0	3	0·35	9	– 4	Weymouth ..	4·7	—	30	•	•	•	•	•	•
p Plymouth	116	68	29th	47	25th	62·4	51·9	56·8	– 4·1	6	1·30	33	+ 13	Plymouth ..	5·0	– 1·2	32	0	42	60·8	–3·3	59·0	—
a Falmouth	167	67	29th	48	25, 27	62·3	51·9	56·7	– 3·6	6	1·70	43	+ 22	Falmouth ..	6·0	– 0·6	39	0	44	63·0	—	61·2	—
9. IRELAND, N.																						
a West .. *a* Mallarany	120	61	27th	45	27th	59·4	49·3	54·0	—	5	1·17	30	—	Mallarany ..	1·9	—	12	0	42	—	—	•	•
a Malin Head ..	208	59	29-31	48	25, 26, 28	57·1	49·4	53·0	– 3·4	5	0·63	16	– 2	Malin Head ..	2·7	—	16	•	•	•	•	•	•
a Blacksod Point ..	37	61	27, 28	46	25th	59·4	49·0	53·8	– 3·6	7	0·54	14	– 8	Markree Castle	2·5	– 1·7	15	1	?30	59·0	–1·4	56·0	–0·4
p Markree Castle ..	122	65	29th	43	26th	60·4	47·3	53·4	– 3·3	6	0·96	24	+ 2										
b. East .. *p* Armagh	196	—	—	—	—	—	—	—	—	—	—	—	—	Armagh	—	—	—	—	—	—	—	—	—
a Donaghadee	39	64	30th	43	25th	60·6	46·9	53·3	– 3·8	4	0·52	13	– 5										
10. IRELAND, S.																						
p Dublin, City	47	68	29th	45	27th	62·4	50·4	56·0	– 4·0	5	1·92	49	+ 30	Trinity Coll. ..	3·7	—	23	0	40	59·3	–1·5	57·1	–0·6
a Birr Castle	175	64	28th	42	27th	60·3	48·1	53·8	– 4·5	6	1·61	41	+ 19	Phœnix Park ..	4·4	– 0·8	27	0	37	•	•	•	•
a Kilkenny	195	70	29th	43	25th	64·6	47·9	55·7	– 3·1	7	1·16	30	+ 9	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	137	67	30th	43	27th	64·0	47·7	55·3	– 4·3	5	1·22	31	+ 8	Birr Castle ..	3·3	– 1·2	21	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	535	69	29, 30	43	27th	64·3	47·0	55·1	—	5	1·23	32	—	Seskin	6·1	—	38	0	38	•	•	•	•
a Cahir	198	71	28th	45	25th	65·1	49·0	56·5	– 2·4	4	0·96	24	—										
a Foynes	50	67	29th	48	26, 27	60·7	51·4	55·7	– 3·1	7	1·27	32	+ 9										
a Cahirciveen (Val. Obs.)	30	61	29th	50	27th	59·4	52·6	55·8	– 3·0	5	1·38	35	+ 7	Cahirciveen ..	2·9	– 2·0	18	0	43	•	•	•	•
a Killarney	174	69	29th	44	27th	64·4	50·9	57·2	– 1·9	7	1·25	32	+ 7	Ballinacurra ..	4·4	– 0·8	28	•	•	•	•	•	•
a Roche's Point	32	68	30th	48	27th	62·4	51·4	56·5	– 2·5	7	0·82	21	– 1										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	64	29th	52	26, 27	61·9	53·7	57·5	– 3·0	6	1·04	26	+ 11	Scilly	4·9	– 1·5	31	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	66	29th	50	25th	62·9	54·1	58·2	– 4·1	4	0·67	17	+ 3	St. Heliers ..	5·1	– 2·0	33	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	66	29th	51	25th	62·3	53·9	57·8	– 4·1	6	1·00	25	+ 11	Guernsey† ..	5·3	– 2·0	34	0	44	61·5	–2·1	60·5	–0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, July 31st, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	24, 27, 29, 30	5	113	48	2	0	250	12	29	20	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	109	59	0	320	5	27	8	12	27	7	20
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	10	139	19	0	310	8	27	8	—	—	—	—
Edinburgh	485	39	31	—	—	29	1	70	92	5	0	210	11	29	16	20	29	16	25
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	29	3	40	87	38	0	230	12	29	14	17	29	13	45
Paisley	188	81	15	—	—	—	—	35	117	16	0	260	10	29	20	17	30	16	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	9	90	69	0	?	8	29	13	17	29	13	35
South Shields	72	61	12	—	—	—	—	49	93	26	0	300	9	29	9	14	29	9	25
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	26	1	34	113	20	0	170	12	26	1	19	26	1	20
Shoeburyness	103	90	‡	—	—	28	1	60	88	19	0	220	11	28	19	15	26	14	20
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	34	95	39	0	200	8	29	15	14	26	12	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	53	75	40	0	—	10	26	6	18	26	7	15
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	8	104	56	0	190	7	28	16	12	28	16	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Southport	80	62	48	—	—	28 to 30	15	111	41	1	0	290	12	29	2	16	29	1	55
Holyhead	60	40	‡	—	—	26, 28, 29	18	89	60	1	0	360	15	26	2	19	28	5	50
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	25, 26, 28, 30	28	77	60	3	0	210	17	25	13	22	26	3	35
Plymouth	185	88	2	—	—	25, 26, 28	13	58	81	16	0	—	17	25	15	21	25	14	45
Lyme Regis	556	61	‡	—	—	—	—	30	42	96	0	—	10	26	5	17	26	8	0
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	25, 28	12	82	70	4	0	20	16	25	20	—	—	—	—
Quilty	100	40	‡	—	—	26, 29	2	96	62	8	0	—	11	29	15	16	26	6	15
Cahirciveen (Val. Obs.)	98	41	‡	—	—	25	2	97	60	9	0	10	11	25	15	17	25	14	50
Weaver Pt.	160	30	‡	—	—	25	7	69	90	2	0	—	13	25	18	19	25	17	30
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	25, 26	15	76	69	1	7	310	15	26	2	21	26	2	20

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.
¶ Tube Anemograph out of action since Feb. 5th, 1920.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTIETH WEEK of 1920—July 25th to July 31st, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.											
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	°/₀	mb.
0. SCOTLAND, NORTH ..	63	38	87·9	81·5	84·4	− 1·3	74	− 16	0	0	5	+ 1	0·86	22	+ 5	3·8	−0·3	22	1007
Eastern.																			
1. SCOTLAND, EAST ..	66	38	88·8	81·4	84·8	− 1·5	79	− 20	0	0	5	+ 1	0·40	10	− 7	4·2	−0·3	26	1008
2. ENGLAND, N.E.	72	38	90·4	82·3	86·1	− 1·6	95	− 20	0	0	5	+ 1	0·71	18	0	4·5	−0·7	28	1011
3. ENGLAND, EAST ...	73	36	91·1	82·1	86·3	− 2·5	97	− 33	0	0	5	+ 1	0·65	17	+ 2	4·6	−1·3	29	1013
4. MIDLAND COUNTIES ...	72	40	90·7	82·1	86·1	− 2·3	95	− 29	0	0	6	+ 2	0·91	23	+ 4	4·1	−1·2	26	1013
5. ENGLAND, S.E.	71	38	90·8	83·5	86·9	− 2·4	105	− 30	0	0	5	+ 2	0·58	15	0	3·5	−2·9	22	1014
Western.																			
6. SCOTLAND, WEST ..	64	40	88·6	82·3	85·2	− 1·7	84	− 22	0	0	6	+ 2	1·03	26	+ 6	3·6	−1·6	22	1010
7. ENGLAND, N.W.	69	44	89·3	83·6	86·3	− 1·6	97	− 20	0	0	5	+ 1	1·52	39	+ 17	3·8	−1·4	24	1012
8. ENGLAND, S.W.	71	41	89·7	83·4	86·3	− 2·2	98	− 27	0	0	6	+ 2	1·28	33	+ 12	5·0	−0·7	32	1015
9. IRELAND, NORTH ...	65	42	88·3	81·9	84·9	− 2·0	81	− 25	0	0	6	+ 1	0·85	22	+ 2	2·5	−1·7	15	1012
10. IRELAND, SOUTH ...	71	42	90·0	82·9	86·2	− 1·8	97	− 22	0	0	6	+ 2	1·29	33	+ 10	3·7	−1·2	23	1015
11. ENGLISH CHANNEL ...	66	50	89·9	85·2	87·3	− 2·0	111	− 25	0	0	5	+ 1	0·90	23	+ 8	5·1	−1·8	33	1017

THE SEASON (Summer).—Aggregates, &c., for the Period of 9 Weeks, May 30th to July 31st, 1920.

0. SCOTLAND, NORTH ..	79	35	88·6	81·5	84·8	0·0	711	− 8	0	− 2	35	− 1	5·76	148	− 7	6·4	+1·6	36	1012
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·5	81·1	84·9	− 0·7	729	− 78	3	+ 2	34	+ 2	4·70	118	− 13	6·0	+0·4	35	1012
2. ENGLAND, N.E.	79	31	90·8	82·9	86·6	− 0·1	910	− 5	0	0	35	+ 7	5·27	135	+ 18	5·8	−0·3	35	1014
3. ENGLAND, EAST ..	80	35	92·1	83·5	87·5	− 0·2	1017	− 21	0	0	29	+ 1	4·77	118	+ 7	6·5	−0·3	39	1015
4. MIDLAND COUNTIES ...	81	32	91·5	82·8	86·9	− 0·6	942	− 67	0	0	38	+10	7·18	182	+ 63	4·9	−1·1	30	1015
5. ENGLAND, S.E.	78	33	91·8	83·9	87·6	− 0·5	1026	− 53	0	0	29	+ 3	6·25	159	+ 54	5·9	−1·2	37	1016
Western.																			
6. SCOTLAND, WEST ...	80	36	89·8	82·5	85·9	− 0·3	834	− 42	0	0	41	+ 7	7·13	181	+ 17	5·2	−0·9	31	1013
7. ENGLAND, N.W.	80	35	90·0	83·5	86·6	− 0·3	910	− 40	0	0	40	+10	8·48	215	+ 75	4·7	−1·5	28	1014
8. ENGLAND, S.W.	75	33	90·3	83·8	86·8	− 0·6	940	− 64	0	0	41	+11	8·13	195	+ 59	5·2	−1·4	32	1016
9. IRELAND, NORTH ...	70	35	89·3	82·5	85·6	− 0·6	801	− 72	0	0	42	+ 4	6·11	155	+ 4	4·7	−0·5	28	1012
10. IRELAND, SOUTH ...	74	35	90·1	83·3	86·5	− 0·6	895	− 82	0	0	41	+ 9	6·67	160	+ 12	5·0	−0·7	30	1015
11. ENGLISH CHANNEL ...	70	40	90·4	85·2	87·6	− 0·4	1032	− 47	0	0	30	+ 1	5·46	139	+ 33	6·7	−1·1	42	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 30 Weeks, January 4th to July 31st, 1920.

0. SCOTLAND, NORTH ...	79	19	83·8	77·5	80·5	+ 0·5	1140	+ 39	387	−152	143	+ 7	36·07	916	+246	4·1	+0·5	30	1007
Eastern.																			
1. SCOTLAND, EAST ...	81	19	84·4	77·1	80·6	+ 0·4	1212	− 42	456	−161	130	+13	18·21	462	+ 51	4·3	+0·1	32	1009
2. ENGLAND, N.E.	79	24	85·7	78·5	82·0	+ 1·0	1604	+194	280	−192	123	+18	17·38	444	+116	4·2	−0·3	32	1012
3. ENGLAND, EAST ...	84	20	87·0	78·9	82·8	+ 1·2	1889	+245	270	−224	107	+ 4	13·06	333	+ 16	4·8	0·0	36	1015
4. MIDLAND COUNTIES ...	82	20	86·9	78·7	82·5	+ 1·0	1749	+108	263	−259	128	+26	20·84	528	+173	3·8	−0·5	28	1014
5. ENGLAND, S.E.	81	17	87·0	79·7	83·2	+ 1·1	1960	+210	166	−213	112	+13	16·02	409	+ 65	4·5	−0·5	34	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	84·8	78·5	81·5	+ 0·4	1410	+ 20	269	−147	153	+29	30·40	774	+170	3·6	−0·7	27	1011
7. ENGLAND, N.W.	81	22	85·4	79·3	82·3	+ 0·8	1611	+119	187	−195	139	+29	27·54	699	+254	3·6	−0·8	27	1012
8. ENGLAND, S.W.	78	17	86 0	79·8	82·8	+ 0·7	1757	+ 95	131	−170	139	+29	25·73	652	+163	4·0	−0·8	30	1015
9. IRELAND, NORTH ...	77	23	85·2	78·5	81·7	+ 0·2	1485	+ 36	241	− 99	155	+20	23·48	597	+ 96	3·6	−0·4	27	1010
10. IRELAND, SOUTH ...	78	22	86·0	79·4	82·6	+ 0·3	1700	− 2	145	−115	149	+30	26·47	671	+142	3·9	−0·6	29	1013
11. ENGLISH CHANNEL ...	75	29	86·5	81·6	84·0	+ 0·7	2089	+184	20	− 85	114	− 1	16·67	421	+ 22	5·1	−0·6	39	1016
	°F	°F	.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F			inches.	mm	mm	hr	hr.	°/₀	m.b

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 6th August, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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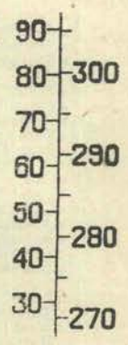
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 31.

THIRTY-FIRST WEEK,
SUNDAY, AUGUST 1ST TO SATURDAY, AUGUST 7TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Barometric pressure remained high over Iceland and also off our south-west coasts, while depressions moving in an easterly direction from the Atlantic passed across the British Isles. Temperature was low for the time of year and the weather generally unsettled, with thunderstorms in the northern districts on Monday and over the south and east of England on Thursday. There was not much variation in the day temperatures throughout the week, most readings of the maximum thermometer being about 291 a. The warmest day was, as a rule, either the first or last, when the thermometer just touched 294 a at a few stations in eastern and southern England. The lowest minima were generally registered on the morning of Saturday when the screen thermometer went down to 275 a over central Scotland and that on the grass to 273 a. The mean temperature for the week was about 2 a below the normal over the United Kingdom generally. Rainfall exceeded the normal in all districts, over the eastern half of England the excess was small, but over the western districts it was again large; in Scotland West the week's total was 58mm. against a normal of 21mm. On Monday there were individual falls of 20mm. at most of the London stations, and locally at Fort William, while on Wednesday even larger amounts were measured all over the western districts of Great Britain, up to 38mm. at Cardiff; on Saturday night over the south of Ireland there was another heavy fall of rain. Bright sunshine was considerably above the normal in Scotland North and Scotland East, but elsewhere there was again a deficit; since the 24th week of the year bright sunshine has been below the normal generally. Solar halos were observed on Saturday at Oxford, Tenbury, Ross-on-Wye and Aberdovey, while a lunar halo was seen at Falmouth on Tuesday.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	15	4·6	18	3·5	21	3·4	21	2·4	20	3·9	11	3·5	20	3·3	13	3·1
North	8	5·7	7	2·2	4	1·0	2	0·9	6	4·6	14	1·7	5	1·8	11	3·1
West	12	2·5	22	5·0	27	4·3	25	3·1	25	6·1	23	4·1	23	6·6	23	4·7
East	9	2·9	6	1·9	1	1·0	0	—	0	—	2	1·1	4	1·5	3	3·0
Calm	3	—	0	—	0	—	2	—	0	—	0	—	1	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Deficient
Rainfall ...	Heavy	Heavy	Moderate	Moderate	Moderate	Moderate	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy
Sunshine ...	Abundant	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 10 weeks from May 30th, 1920. Warmth ...	1, 5, 4	1, 3, 6	3, 3, 4	4, 2, 4	1, 5, 4	1, 4, 5	1, 4, 5	1, 5, 4	1, 2, 7	1, 4, 5	0, 4, 6	2, 3, 5
Rainfall ...	1, 6, 2	3, 4, 3	2, 6, 2	3, 5, 2	5, 3, 2	5, 4, 1	4, 5, 1	8, 0, 2	6, 3, 1	2, 6, 2	4, 5, 1	6, 2, 2
Sunshine ...	6, 3, 1	4, 3, 3	2, 3, 5	2, 4, 4	0, 4, 6	0, 6, 4	1, 2, 7	1, 2, 7	1, 4, 5	2, 2, 6	1, 4, 5	1, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29620—19) Wt. 24—561/P 25 500 8/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	61	3rd	45	7th	57·6	48·4	52·7	− 0·5	4	0·32	8	− 8										
p Deerness, Orkney	165	60	1st	47	7th	56·7	49·3	53·8	—	5	0·76	19	+ 3	Deerness ..	5·7	+ 1·9	34	•	•	•	•	•	•
a Stornoway ..	51	60	3rd	48	4, 7	58·1	49·0	53·3	− 1·7	4	0·79	20	− 1	Stornoway ..	5·0	+ 0·9	31	•	•	•	•	•	•
a Castlebay, Barra I.	37	—	—	50	3, 4, 7	—	51·0	—	—	—	—	—	—	Castlebay ..	—	—	—	•	•	•	•	•	•
b, Mainland. a Wick ..	81	61	1st	45	3, 4	57·1	48·1	52·3	− 2·6	5	0·49	12	− 4										
a Strathpeffer ..	125	67	7th	43	6th	61·0	46·1	53·1	− 3·8	5	0·54	14	− 1										
p Glencarron ..	500	59	7th	41	7th	56·0	46·9	51·2	− 6·8	6	1·64	42	+ 5										
a Fort Augustus..	68	63	7th	38	7th	58·1	47·0	52·2	− 4·6	6	1·36	35	+ 16										
p Fort William ..	171	63	7th	45	7th	59·1	47·9	53·2	− 4·0	6	2·34	59	+ 26										
1. SCOTLAND, E.																							
a Nairn ..	82	65	1-4	40	7th	62·0	46·3	53·7	− 3·3	4	0·62	16	+ 3	Nairn ..	6·1	—	38	•	•	•	•	•	•
p Gordon Castle ..	101	66	1st	45	3rd	60·7	48·3	54·1	− 3·9	4	0·71	18	+ 2	Gordon Castle..	5·9	—	36	•	•	•	•	•	•
a Aberdeen ..	46	67	1st	45	3rd	61·7	49·6	55·3	− 1·6	3	0·50	13	− 1	Aberdeen ..	7·3	+ 2·2	45	0	36	•	•	53·6	− 0·2
a Balmoral ..	930	65	7th	35	7th	58·6	43·4	50·5	− 4·0	4	0·81	21	+ 6	Balmoral ..	•	•	•	0	33	•	•	•	•
p Crieff ..	432	63	7th	38	7th	58·6	45·6	51·7	− 6·4	6	1·84	47	+ 28	Crathes ..	6·7	+ 1·9	42	0	36	58·1	− 0·5	55·1	+ 0·1
a Dundee	244	66	6th	36	7th	62·1	45·4	53·3	− 4·9	5	1·54	39	+ 23	Dundee ..	7·0	—	43	1	30	56·0	•	•	•
a Leith ..	30	64	2nd	44	7th	61·4	50·3	55·5	− 3·5	4	0·99	25	+ 11	Leith ..	•	•	•	0	39	•	•	•	•
p Edinburgh ..	441	62	1st	44	7th	58·9	49·0	53·7	− 3·6	6	1·11	28	+ 14	Edinburgh ..	5·7	+ 0·5	36	0	37	•	•	•	•
a West Linton ..	769	58	1, 2, 6, 7	36	7th	56·7	45·4	50·7	− 4·1	6	1·52	39	—	West Linton ..	4·1	—	25	0	32	•	•	•	•
p Marchmont ..	498	63	7th	40	3rd	60·9	45·1	52·5	− 4·4	4	1·26	32	+ 16	Marchmont .	7·0	+ 1·8	44	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll) ..	149	61	1, 2	48	4th	57·7	49·3	53·3	—	6	2·58	66	—	Ford (Argyll) ..	•	•	•	0	41	57·7	•	55·2	—
p Glasgow Observatory	180	61	6th	45	7th	58·6	49·7	53·9	− 3·9	6	1·72	44	+ 25	Glasgow..	4·5	0·0	28	0	33	•	•	•	•
p Renfrew ..	120	61	1, 6	43	7th	59·4	49·3	54·1	—	6	1·45	37	—	Renfrew ..	5·5	—	34	0	33	—	—	—	—
p Rothesay ..	200	61	2nd	46	3rd	58·0	48·3	52·9	− 4·7	6	2·39	61	+ 37	Rothesay ..	3·2	—	20	0	43	56·7	•	55·0	− 0·5
a Kilmarnock ..	90	63	7th	45	7th	60·4	50·3	55·1	− 1·7	6	2·51	64	+ 44	Kilmarnock ..	3·7	—	24	•	•	56·0	•	53·9	—
a Colmonell ..	170	62	1st	46	7th	59·7	50·6	54·9	− 1·7	6	1·88	48	+ 29	Colmonell ..	•	•	•	0	43	•	•	•	•
p Dumfries ..	160	62	1st	48	7th	59·6	50·4	54·7	− 3·9	6	1·89	48	+ 29	Dumfries ..	3·4	—	22	0	42	57·1	− 3·8	55·0	− 4·0
a Eskdalemuir ..	794	61	6th	41	7th	57·0	45·6	51·0	—	6	2·91	74	—	Eskdalemuir ..	2·6	—	17	0	32	•	•	•	•
b, I. OF MAN p Douglas	277	61	2, 3	50	3, 4	59·1	51·1	54·9	− 2·7	6	2·39	61	+ 42	Douglas	4·3	− 1·9	27	0	48	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Alnwick Castle	210	66	1, 2	48	2, 4, 7	63·4	49·3	55·9	− 2·0	3	1·09	28	+ 13										
a Tynemouth ..	118	65	1st	47	7th	61·6	50·1	55·5	− 2·7	4	0·51	13	0	Cockle Park ..	5·4	− 0·2	34	0	43	55·3	− 2·9	54·1	− 1·5
p Durham ..	336	67	6th	44	7th	63·3	48·1	55·2	− 3·4	3	0·56	14	+ 1	Durham ..	4·7	− 0·7	30	0	33	•	•	•	•
p Rounton ..	249	65	5th	45	7th	62·7	49·0	55·4	− 2·6	3	0·68	17	+ 3	Rounton ..	•	•	•	0	35	58·1	•	•	•
a West Witton ..	605	65	1st	46	4th	61·3	49·4	55·0	—	5	0·99	25	—	West Witton ..	•	•	•	0	43	57·0	—	53·8	—
p Scarborough ..	100	69	5th	48	4, 7	66·0	50·3	57·7	− 1·8	3	0·68	17	+ 4	Scarborough† ..	3·8	− 2·0	24	•	•	•	•	58·0	—
p York ..	56	65	1, 2	48	3, 7	63·1	50·4	56·4	− 4·0	3	0·71	18	+ 6	York	3·2	− 2·2	20	—	—	58·1	− 1·8	56·2	− 0·8
b, South .. a Spurn Head	26	66	3rd	49	3rd	63·7	50·9	56·9	− 3·4	4	0·30	8	− 2	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln ..	58	67	2nd	45	7th	64·6	50·1	56·9	− 4·1	2	0·58	15	+ 3	Lincoln	•	•	•	0	45	58·1	− 3·3	56·8	− 0·7
a Fulbeck ..	180	70	1st	45	7th	65·3	49·3	56·8	− 4·0	4	0·63	16	+ 3	Fulbeck ..	4·4	− 2·2	28	•	•	—	—	—	—
														Skegness ..	4·8	− 2·1	31	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	68	1st	47	3, 4	65·3	49·3	56·8	− 3·5	4	0·31	8	− 2	Cromer	4·1	− 2·6	27	•	•	•	•	•	•
a Little Massingham ..	280	67	3rd	44	7th	63·7	48·3	55·5	− 5·0	4	0·44	11	− 2	Lit. Massingham	3·4	− 2·9	22	•	•	•	•	•	•
a Yarmouth ..	13	69	1, 2	47	7th	65·7	52·3	58·6	− 2·0	3	0·28	7	− 4	Yarmouth ..	5·2	—	33	0	44	61·3	− 3·0	59·0	− 2·0
a Norwich ..	93	68	1, 3	48	7th	65·3	52·1	58·3	− 2·7	4	0·41	10	− 1	Norwich ..	4·6	—	30	0	44	61·1	•	•	•
a Geldeston ..	37	70	1st	46	7th	66·9	50·6	58·3	− 2·4	4	0·34	9	− 1	Geldeston ..	4·7	− 2·1	30	•	•	•	•	•	•
p Cambridge ..	41	68	1, 7	41	7th	65·6	47·6	56·1	− 5·3	4	0·29	7	− 3	Cambridge ..	4·9	− 1·8	32	0	38	61·2	− 2·0	59·4	− 0·4
a Clacton-on-Sea ..	54	69	1st	47	7th	65·6	53·7	59·3	− 2·1	5	0·37	9	0	Clacton	4·4	− 3·0	29	0	44	61·0	− 0·5	59·8	− 0·2
a Rothamsted ..	424	67	5th	45	7th	64·0	49·3	56·2	− 4·1	4	0·57	14	+ 3	Rothamsted ..	5·6	− 1·0	36	0	40	58·8	•	•	•
p Tottenham ..	51	70	1st	50	7th	66·4	53·3	59·5	—	3	0·85	22	—	Tottenham ..	5·6	—	37	0	47	•	•	60·0	− 1·1
														S'thend-on-Sea	4·7	—	30	0	45	63·0	− 4·0	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	62	1, 2, 5–7	47	1, 4, 7	61·1	48·9	54·6	− 3·6	4	1·26	32	+ 18	Harrogate ..	4·9	− 0·8	31	0	39	55·4	− 2·3	54·7	− 1·4
p Sheffield ..	429	64	1, 2	49	7th	62·0	51·0	56·2	—	4	0·35	9	—	Sheffield.. ..	4·1	− 1·5	26	0	44	57·6	− 1·8	55·2	− 0·2
p Buxton ..	987	66	1st	48	1, 3, 4, 7	58·4	48·7	53·3	—	5	1·19	30	+ 8	Buxton	3·0	—	20	0	40	56·0	− 2·5	54·3	− 0·5
b, East .. a Worksop	56	68	1, 2	45	3rd	65·9	49·6	57·3	− 2·7	2	0·45	11	− 1	Worksop ..	3·0	− 2·2	19	0	38	58·6	—	56·2	—
a Nottingham ..	82	67	7th	46	7th	63·9	50·1	56·6	− 3·8	3	0·56	14	+ 1	Nottingham ..	4·3	− 1·5	28	0	42	58·0	− 3·2	57·5	− 1·1
p Birmingham, Edgbsn.	535	66	7th	47	3rd	62·3	49·9	55·7	− 4·4	3	0·48	12	− 1	Birmingham ..	4·1	− 0·9	26	0	38	54·4	− 2·2	52·4	− 0·8
a Raunds ..	203	68	1, 7	45	3, 7	65·3	48·7	56·5	− 4·7	3	0·58	15	+ 1	Raunds	4·8	—	31	0	41	59·1	—	56·5	—
p Oxford ..	208	67	1st	47	3rd	63·7	51·0	57·0	− 4·4	3	0·67	17	+ 5	Oxford	4·6	− 1·8	30	0	41	•	•	•	•
														Malvern ..	5·1	—	33	0	43	59·2	—	58·3	—
c, West .. a Cheadle (N. Staffs.)	646	71	1st	46	7th	62·3	49·1	55·3	− 3·2	3	1·05	27	+ 10	Cheadle ..	•	•	•	0	43	•	•	•	•
p Tenbury ..	313	67	7th	42	3rd	64·1	48·6	55·9	− 3·7	4	0·55	14	+ 1	Tenbury	•	•	•	0	36	58·9	—	—	—
a Hereford ..	291	66	1, 3, 7	45	3rd	63·3	49·7	56·1	− 4·3	3	0·33	9	− 3	Ross-on-Wye ..	4·5	—	29	0	38	60·7	—	58·9	—
a Clifton	229	67	7th	48	3rd	63·1	51·7	57·1	− 5·4	5	1·09	28	+ 11	Clifton	6·7	—	44	0	45	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough ..	424	67	1, 7	40	3rd	63·3	48·0	55·2	− 3·9	3	0·71	18	+ 7	Worthing ..	6·6	− 0·9	44	0	44	63·0	− 1·4	60·0	− 0·4
p Wilton Ho.* ..	180	68	7th	47	3, 4, 7	63·7	49·1	56·0	− 5·2	4	1·14	29	+ 18	Marlborough ..	5·0	− 1·0	33	0	38	59·8	—	57·1	—
a Wisley, Surrey ..	150	70	1st	47	7th	66·3	51·4	58·4	− 2·8	4	0·81	21	+ 12	Wilton Ho. ..	•	•	•	0	42	61·7	•	•	•
a Tunbridge Wells ..	354	68	1, 3	45	7th	65·6	50·6	57·7	− 3·3	3	0·42	11	+ 1	Wisley	5·7	− 1·0	37	0	36	61·7	− 1·3	59·0	− 0·7
a Margate	51	70	1, 5	43	7th	66·6	52·3	59·0	− 3·3	2	0·27	7	− 2	Tunbridge Wells	4·3	− 2·6	28	0	43	61·1	− 3·7	59·2	—
														Margate	4·0	− 2·6	26	0	47	62·7	+ 0·1	62·2	+ 2·8
a Dungeness ..	21	68	6th	45	7th	65·4	53·0	58·8	− 2·6	3	0·39	10	+ 2	Folkestone ..	4·5	—	30	•	•	•	•	55·9	—
p St. Leonards ..	178	66	1, 3, 5, 7	50	2, 7	65·1	53·3	58·9	− 2·7	3	0·70	18	+ 8	St. Leonards ..	5·8	− 1·7	38	0	45	63·2	—	60·1	—
p Southampton ..	64	69	1st	48	7th	62·6	51·4	56·7	− 6·0	4	1·15	29	+ 18	Southampton ..	5·5	− 1·6	36	0	40	•	•	•	•
a Ventnor	59	67	7th	53	7th	65·7	54·9	60·0	− 2·2	3	0·45	11	+ 2	Ventnor	5·5	− 1·8	36	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	69	1st	49	7th	66·0	53·3	59·3	− 2·8	4	0·72	18	+ 8	Richmond ..	4·7	− 1·8	31	0	40	60·6	− 1·7	57·9	− 0·6
a Westminster ..	27	71	1st	48	7th	66·6	53·3	59·6	− 3·2	3	0·95	24	+ 14	Westminster ..	5·0	− 1·0	32	0	39	•	•	•	•
ag Greenwich ..	149	73	1st	49	7th	69·3	52·7	60·5	− 2·6	3	0·65	17	+ 4	Greenwich ..	5·2	− 2·3	34	0	41	•	•	•	•
a Hampstead ..	450	69	1st	47	7th	64·6	50·7	57·2	—	4	1·01	26	—	Hampstead ..	5·0	—	33	—	—	•	•	•	•
ag Camden Square ..	110	74	1st	47	7th	69·6	52·1	60·3	− 3·2	3	0·85	22	+ 12	Camden Square	—	—	—	0	44	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	60	1st	48	7th	57·4	50·0	53·5	− 4·5	6	1·14	29	+ 5	Aspatria.. ..	3·0	− 2·6	19	0	45	54·8	− 5·1	53·1	− 2·3
p Newton Rigg ..	559	—	—	47	6, 7	—	48·0	—	—	6	0·81	21	+ 2	Newton Rigg ..	2·0	− 3·6	13	—	—	57·4	− 2·6	55·0	− 1·0
p Stonyhurst ..	375	61	2, 7	49	1st	59·4	51·1	55·0	− 3·3	5	1·16	30	+ 3	Stonyhurst ..	2·8	− 2·7	18	0	43	•	•	•	•
p Blackpool ..	66	63	1, 2, 7	53	5th	61·4	54·4	57·7	− 1·5	2	0·88	22	+ 2	Blackpool ..	3·9	− 2·6	25	0	49	59·5	—	55·4	—
a Southport ..	37	64	1st	53	5th	61·0	54·0	57·3	− 2·1	3	0·94	24	+ 5	Southport ..	4·7	− 1·8	30	0	48	62·4	− 1·0	61·0	+ 0·1
														Hoylake ..	4·7	− 1·4	30	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	64	1st	51	4th	60·7	52·6	56·4	− 3·5	5	0·72	18	+ 1	Liverpool ..	4·2	—	27	0	47	•	•	•	•
a Hawarden Bridge ..	22	65	1st	52	3rd	63·1	53·9	58·2	− 2·4	5	0·42	11	− 4	Manchester(City)	3·0	− 1·5	19	0	45	58·8	− 2·5	58·1	− 0·9
p Manchester (Whit. Pk.)	125	65	1, 2, 7	49	7th	62·1	52·0	56·8	− 3·6	4	1·09	28	+ 8	Whitworth Park	2·4	− 2·3	16	•	•	•	•	•	•
b, NORTH WALES.																							
p Llandudno	16	65	7th	51	2, 3	61·3	52·4	56·6	− 3·6	6	0·81	21	+ 5	Llandudno ..	4·9	− 1·5	31	•	•	•	•	•	•
a Holyhead	15	62	2, 3	52	3–5, 7	60·7	52·4	56·3	− 2·6	6	2·56	65	+ 48	Holyhead ..	3·5	—	23	0	50	•	•	•	•
a Aberdovey	60	63	7th	53	7th	61·1	54·4	57·6	—	3	1·27	32	—	Aberdovey ..	4·3	− 1·9	27	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
a. *a.* SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a Aberystwyth	59	63	7th	52	4, 6	60·3	54·0	57·0	—	5	0·93	24	—	Aberystwyth ..	4·1	- 1·8	27	*	*	*	*	*	*
a Rhayader	757	64	7th	47	4th	59·3	49·7	54·2	—	6	0·73	19	—	Rhayader ..	4·9	—	31	0	42	*	*	*	*
a St. Ann's Head ..	149	63	3rd	52	7th	59·9	54·1	56·8	- 2·1	3	1·23	31	+ 16	St. Ann's Head	6·3	- 0·4	41	*	*	*	*	*	*
p Cardiff	202	68	7th	48	3, 7	62·0	51·3	56·3	- 3·9	5	1·81	46	+ 26	Cardiff	5·6	—	37	0	41	59·9	-1·7	57·8	-1·0
b. ENGLAND, S.W.																							
a Bath	66	67	7th	43	3rd	63·7	51·6	57·3	- 3·6	4	0·63	16	+ 2	Bath	4·9	- 1·8	32	—	—	61·8	-2·6	59·9	-1·1
a Shaftesbury	722	65	1, 7	46	3rd	60·3	48·3	53·9	- 5·9	4	1·50	38	+ 23	Shaftesbury ..	*	*	*	*	*	58·4	—	57·4	—
a Arlington	613	65	7th	44	3rd	60·6	49·4	54·7	- 3·9	5	1·31	33	+ 8										
a Newquay	190	65	7th	48	7th	61·6	53·5	57·3	- 3·0	5	0·72	18	+ 5	Newquay ..	6·3	- 0·6	42	—	—	61·2	—	58·4	—
a Cullompton	202	70	7th	42	3rd	64·7	50·0	56·9	- 3·5	4	0·86	22	+ 6	Cullompton ..	4·0	- 2·2	26	0	39	60·3	*	*	*
a Portland Bill	19	63	1, 6, 7	55	1, 6	61·6	55·1	58·2	- 2·5	3	0·67	17	+ 6	Weymouth ..	6·2	—	41	*	*	*	*	*	*
p Plymouth	116	65	1, 3, 7	47	3, 7	63·9	52·4	57·4	- 3·6	3	0·76	19	+ 3	Plymouth ..	4·7	- 2·1	31	0	41	60·8	-3·5	58·8	—
a Falmouth	167	66	4th	48	3rd	62·9	52·0	57·1	- 3·3	4	1·22	31	+ 14	Falmouth ..	5·8	- 1·5	39	0	43	62·8	—	61·2	—
9. IRELAND, N.																							
a West .. { *a* Mallarany	120	61	5, 6	49	4th	59·7	50·6	54·9	—	6	2·06	52	—	Mallarany	—	—	—	0	46	—	—	*	*
a Malin Head ..	208	57	1, 4, 7	48	1st	56·3	49·7	52·8	- 4·1	6	1·57	40	+ 22	Malin Head ..	4·0	—	25	*	*	*	*	*	*
a Blacksod Point ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	2·2	- 2·0	14	0	43	58·8	-1·6	56·1	-0·5
p Markree Castle ..	122	62	1, 4	48	1st	60·4	49·4	54·6	- 2·4	6	1·43	36	+ 14										
b. East .. { *p* Armagh	196	63	1, 2, 6	48	1, 6	61·9	49·4	55·3	- 2·4	6	0·86	22	+ 4	Armagh	4·0	- 0·3	26	0	44	57·9	-2·2	55·7	-2·0
a Donaghadee	39	64	1st	43	1st	60·4	47·9	53·8	- 3·8	5	1·10	28	+ 11										
10. IRELAND, S.																							
p Dublin, City	47	63	2, 7	50	3, 4, 6	61·9	51·0	56·1	- 4·1	6	1·01	26	+ 10	Trinity Coll. ..	4·7	—	30	0	45	59·5	-1·4	57·2	-0·8
a Birr Castle	175	63	5th	48	6th	60·4	49·9	54·8	- 3·8	6	0·80	20	+ 1	Phœnix Park ..	5·7	+ 0·5	37	0	42	*	*	*	*
a Kilkenny	195	65	2, 5	47	7th	62·7	50·3	56·1	- 2·9	6	1·39	35	+ 17	Dublin City ..	*	*	*	0	45	*	*	*	*
a Waterford	137	65	1, 5	46	7th	63·0	49·7	56·0	- 3·8	6	2·36	60	+ 40	Birr Castle ..	2·5	- 2·1	16	0	45	*	*	*	*
p Seskin, Carrick-on-Suir	535	64	1, 2, 6	46	7th	61·7	48·1	54·5	—	5	2·09	53	—	Seskin	4·1	—	27	0	35	*	*	*	*
a Cahir	199	65	7th	42	7th	62·6	48·6	55·2	- 3·9	5	1·50	38	—										
a Foynes	50	62	5, 7	49	7th	60·7	51·3	55·7	- 3·4	6	1·03	26	+ 6										
a Cahirciveen (Val. Obs.)	30	61	1st	47	7th	59·1	51·9	55·3	- 3·9	5	1·50	38	+ 14	Cahirciveen ..	4·3	- 0·8	28	0	44	*	*	*	*
a Killarney	174	65	2, 6	45	7th	62·9	50·9	56·5	- 3·0	6	1·36	35	+ 13	Ballinacurra ..	4·4	- 0·8	29	*	*	*	*	*	*
a Roche's Point	32	64	2, 3, 5	47	7th	62·4	51·1	56·4	- 3·0	7	1·28	33	+ 14										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	1, 3, 7	54	1, 3–5	61·7	54·7	58·0	- 2·8	4	0·89	23	+ 10	Scilly	6·7	- 0·9	45	*	*	*	*	*	*
a Jersey, St. Aubins ..	25	66	4, 7	50	7th	64·6	55·0	59·5	- 3·2	3	0·47	12	0	St. Heliers ..	6·9	- 1·7	45	*	*	*	*	*	*
a Guernsey (Villa Carey)	180	66	1, 7	52	7th	64·1	54·3	58·9	- 3·3	3	0·85	22	+ 10	Guernsey† ..	7·3	- 1·4	48	0	45	61·6	-2·3	60·4	-0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 7th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	5, 6	7	58	85	8	10	10	12	5	22	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	5	102	59	2	320	6	6	13	16	6	12	15
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	21	143	4	0	310	11	6	9	—	—	—	—
Edinburgh	486	39	31	—	—	—	—	92	76	0	0	250	10	1	14	15	1	15	0
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	82	68	18	0	240	11	1	15	17	1	17	45
Paisley	188	81	15	—	—	—	—	21	142	5	0	310	9	6	15	17	3	17	40
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	10	104	54	0	320	7	6	5	12	6	7	30
South Shields	72	61	12	—	—	—	—	24	130	14	0	280	8	5	17	12	1	12	15
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	32	129	7	0	210	10	5	8	15	5	10	15
Shoeburyness	103	90	‡	—	—	2, 5	4	68	93	3	0	190	13	5	17	18	5	17	15
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	50	91	27	0	250	8	—	—	14	5	2	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	66	89	15	0	—	10	5	6	17	5	5	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	9	137	22	0	210	7	2	15	13	2	15	45
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	1, 3, 6	22	125	19	2	0	300	15	6	14	—	—	—	—
Southport	80	62	48	—	—	1 to 6	61	91	15	1	0	290	15	6	14	19	6	14	5
Holyhead	60	40	‡	—	—	5, 6	10	137	21	0	0	310	15	6	3	20	6	3	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	4	3	4	13	99	53	0	0	210	19	4	22	25	4	22	0
Plymouth	185	88	2	4	3	4, 5	9	60	78	18	0	—	18	4	23	22	4	23	20
Lyme Regis	556	61	‡	—	—	—	—	16	76	76	0	—	8	4	19	15	4	21	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	5, 6	6	108	45	4	5	270	13	6	7	—	—	—	—
Quilty	100	40	‡‡‡‡	—	—	5	4	97	59	4	4	—	12	5	18	16	1	11	30
Cahirciveen (Val. Obs.)	98	41	‡‡‡‡	—	—	7	1	83	74	10	0	150	11	7	11	18	7	11	5
Weaver Pt.	160	30	‡	—	—	4	2	63	98	5	0	—	11	4	6	17	4	5	25
11. ENGLISH CHANNEL																			
Scilly..	150	32	‡	—	—	—	—	56	90	12	10	280	11	5	20	17	4	21	5

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIRST WEEK of 1920—August 1st to August 7th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 43°	Deviation from Normal.	Below 43°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr	hr.	%	m.b.
0. SCOTLAND, NORTH ..	67	38	87·5	81·7	84·4	− 1·7	74	− 20	6	0	5	0	1·07	27	+ 5	5·3	+1·8	33	1004
Eastern.																			
1. SCOTLAND, EAST ...	67	35	88·6	81·2	84·7	− 2·2	77	− 27	0	0	4	0	1·03	26	+ 11	6·6	+1·6	41	1004
2. ENGLAND, N.E.	70	44	90·6	82·8	86·5	− 1·7	100	− 21	0	0	3	0	0·64	16	+ 3	4·4	−1·5	28	1007
3. ENGLAND, EAST ...	70	41	91·6	83·4	87·2	− 1·9	109	− 23	0	0	4	+ 1	0·43	11	+ 1	4·7	−2·0	31	1010
4. MIDLAND COUNTIES ...	71	42	90·5	82·8	86·4	− 2·2	99	− 27	0	0	3	0	0·70	18	+ 5	4·5	−1·4	29	1010
5. ENGLAND, S.E.	70	40	91·3	83·9	87·4	− 2·0	112	− 25	0	0	3	0	0·68	17	+ 7	5·2	−1·8	34	1012
Western.																			
6. SCOTLAND, WEST ..	63	41	87·9	82·7	85·1	− 2·1	83	− 25	0	0	6	+ 2	2·28	58	+ 37	4·4	−1·0	28	1005
7. ENGLAND, N.W.	65	47	88·9	84·3	86·5	− 1·6	109	− 20	0	0	5	+ 1	1·07	27	+ 7	3·7	−2·1	24	1008
8. ENGLAND, S.W.	70	42	89·6	83·8	86·5	− 2·0	100	− 25	0	0	4	+ 1	1·07	27	+ 10	5·1	−1·3	34	1012
9. IRELAND, NORTH ...	64	43	88·5	82·6	85·4	− 1·8	86	− 24	0	0	6	+ 1	1·15	29	+ 9	3·1	−1·2	20	1006
10. IRELAND, SOUTH ...	65	42	89·5	83·3	86·3	− 1·9	97	− 24	0	0	6	+ 2	1·36	35	+ 15	4·2	−0·8	21	1010
11. ENGLISH CHANNEL ...	66	50	90·5	85·6	87·9	− 1·6	118	− 20	0	0	3	0	0·74	19	+ 7	7·0	−1·4	46	1014

THE SEASON (Summer).—Aggregates, &c., for the Period of 10 Weeks, May 30th to August 7th, 1920.

0. SCOTLAND, NORTH ..	79	35	88·5	81·5	84·8	− 0·2	785	− 28	0	− 2	40	− 1	6·83	175	− 2	6·3	+1·7	35	1011
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·4	81·1	84·9	− 0·9	806	−105	3	+ 2	38	+ 2	5·73	144	− 2	6·0	+0·4	35	1012
2. ENGLAND, N.E.	79	31	90·8	82·9	86·6	− 0·2	1010	− 26	0	0	38	+ 7	5·91	151	+ 21	5·6	−0·4	34	1013
3. ENGLAND, EAST ..	80	35	92·1	83·5	87·5	− 0·3	1126	− 44	0	0	33	+ 2	5·20	131	+ 10	6·3	−0·4	39	1015
4. MIDLAND COUNTIES ...	81	32	91·4	82·8	86·8	− 0·8	1041	− 94	0	0	41	+10	7·88	200	+ 68	4·8	−1·2	30	1014
5. ENGLAND, S.E.	78	33	91·8	83·9	87·6	− 0·6	1138	− 78	0	0	32	+ 3	6·93	176	+ 61	5·9	−1·2	36	1015
Western.																			
6. SCOTLAND, WEST ...	80	36	89·6	82·6	85·8	− 0·5	917	− 67	0	0	47	+ 9	9·41	239	+ 54	5·1	−0·9	30	1012
7. ENGLAND, N.W.	80	35	89·9	83·6	86·6	− 0·5	1010	− 60	0	0	45	+11	9·55	242	+ 82	4·7	−1·5	28	1014
8. ENGLAND, S.W.	75	33	90·2	83·8	86·8	− 0·7	1040	− 89	0	0	45	+12	9·20	234	+ 81	5·2	−1·3	33	1015
9. IRELAND, NORTH ...	70	35	89·3	82·5	85·6	− 0·7	887	− 96	0	0	48	+ 5	7·26	184	+ 13	4·6	−0·5	27	1012
10. IRELAND, SOUTH ...	74	35	90·1	83·3	86·4	− 0·9	992	−106	0	0	47	+11	8·03	205	+ 37	4·9	−0·8	30	1014
11. ENGLISH CHANNEL ...	70	40	90·4	85·3	87·7	− 0·5	1140	− 67	0	0	33	+ 1	6·20	158	+ 40	6·7	−1·2	42	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 31 Weeks, January 4th to August 7th, 1920.

0. SCOTLAND, NORTH ...	79	19	83·9	77·6	80·6	+ 0·4	1214	+ 19	387	−152	148	+ 7	37·14	943	+251	4·1	+0·5	30	1007
Eastern.																			
1. SCOTLAND, EAST ..	81	19	84·6	77·2	80·7	+ 0·3	1289	− 69	456	−161	134	+13	19·24	488	+ 62	4·4	+0·[illegible]	33	1009
2. ENGLAND, N.E.	79	24	85·9	78·6	82·1	+ 0·9	1704	+173	280	−192	126	+18	18·02	460	+119	4·2	−0·[illegible]	32	1012
3. ENGLAND, EAST ...	84	20	87·2	79·1	82·9	+ 1·1	1998	+222	270	−224	111	+ 5	13·49	344	+ 17	4·8	−0·1	36	1015
4. MIDLAND COUNTIES ...	82	20	87·0	78·8	82·6	+ 0·9	1848	+ 81	263	−259	131	+26	21·54	546	+178	3·8	−0·6	28	1014
5. ENGLAND, S.E.	81	17	87·1	79·8	83·3	+ 0·9	2072	+185	166	−213	115	+13	16·70	426	+ 72	4·5	−0·6	34	1015
Western.																			
6. SCOTLAND. WEST ...	80	22	84·9	78·6	81·6	+ 0·3	1493	− 5	269	−147	159	+31	32·68	832	+207	3·6	−0·7	27	1010
7. ENGLAND, N.W.	81	22	85·6	79·5	82·4	+ 0·7	1711	+ 99	187	−195	144	+30	28·61	726	+261	3·6	−0·9	27	1012
8. ENGLAND, S.W.	78	17	86 1	79·9	82·9	+ 0·6	1857	+ 70	131	−170	143	+30	26·80	679	+173	4·0	−0·8	31	1015
9. IRELAND, NORTH ...	77	23	85·3	78·6	81·8	+ 0·1	1571	+ 12	241	− 99	161	+21	24·63	626	+105	3·6	−0·4	27	1010
10. IRELAND, SOUTH ...	78	22	86·1	79·6	82·7	+ 0·2	1797	− 26	145	−115	155	+32	27·83	706	+157	3·9	−0·6	29	1013
11. ENGLISH CHANNEL ...	75	29	86·7	81·7	84·1	+ 0·6	2207	+164	20	− 85	117	− 1	17·41	440	+ 29	5·1	−0·7	39	1016
	°F.	°F		a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm	mm	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 13th August, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 32.

THIRTY-SECOND WEEK,

SUNDAY, AUGUST 8TH TO SATURDAY, AUGUST 14TH, 1920.

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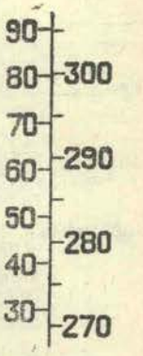
I.—GENERAL SUMMARY. [First published in 1878.]



Temperature Scales.

At the beginning of the week the last of a series of depressions was passing across our northern districts, this was followed by a general rise of the barometer and from Tuesday until the close of the week anti-cyclonic conditions prevailed very generally. Thunderstorms occurred all over eastern Britain on Monday, and on Thursday there were very heavy local rains over the west midland parts of England but otherwise the week was dull, dry and cool. The warmest days were at the beginning and end of the week; most inland stations had maxima of 294 a and over, the highest point being 297 a. On the other hand at some places on our north and north-west coasts the mean of the daily maxima was below 289 a. The nights were not cold; at none of the reporting stations did the thermometer on the grass go as low as the freezing point. With the exception of Scotland E., where the rainfall was slightly more than the normal, there was a deficiency in all districts and over a large part of southern England the week was rainless. On the 9th at Balmoral 27mm. of rain fell, while the aggregate for the 8th and 9th at West Linton (Pentland Hills) was 59mm., and extensive flooding was reported. At Tenbury (Worcestershire) on Thursday there was a time of pitch darkness, with heavy rain, and hail the size of marbles. At Birmingham on the same day there was loss of life and much damage due to flooding, the rainfall measured at Edgbaston Observatory was 23mm. Over England E., England S.E., and the Channel the daily amount of bright sunshine was more than the normal, elsewhere there was a deficiency, that over Ireland being nearly 3 hours per day. At Rhayader in Central Wales the percentage of the possible was actually only 5, at Crathes (Kincardineshire) only 9, while in Guernsey it was as high as 73. Solar halos were seen at Glasgow and Oxford on the 11th and at Clacton-on-Sea on the 12th.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	2·8	12	1·4	9	2·8	7	2·7	5	5·4	4	3·1	15	2·2	9	3·5
North	13	3·7	4	1·2	10	1·9	7	1·3	18	2·7	19	1·3	4	2·0	11	2·3
West	21	3·6	17	4·3	12	3·0	10	2·6	14	4·1	11	3·3	12	5·5	16	3·3
East	5	2·7	2	1·8	8	2·7	5	1·7	5	1·0	12	0·9	10	2·2	3	0·5
Calm	2	—	8	—	7	—	12	—	4	—	10	—	5	—	8	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Deficient	Moderate	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate
Rainfall ...	Light	Moderate	Light	Moderate	Light	Very light	Light	Light	Light	Light	Light	Light
Sunshine ...	Scanty	Very scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Scanty	Scanty	Very scanty	Very scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 11 weeks from May 30th, 1920. Warmth ...	1, 6, 4	1, 4, 6	3, 4, 4	4, 2, 5	1, 6, 4	1, 4, 6	1, 5, 5	1, 6, 4	1, 3, 7	1, 5, 5	0, 5, 6	2, 4, 5
Rainfall ...	2, 6, 3	3, 5, 3	2, 6, 3	3, 6, 2	5, 3, 3	5, 4, 2	4, 5, 2	8, 0, 3	6, 3, 2	2, 6, 3	4, 5, 2	6, 2, 3
Sunshine ...	6, 3, 2	4, 3, 4	2, 3, 6	2, 5, 4	0, 4, 7	0, 7, 4	1, 3, 7	1, 2, 8	1, 4, 6	2, 2, 7	1, 4, 6	2, 4, 5

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29722—19) Wt. 24—561/P 25 500 8/20 H. St. G.117/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of in-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
c. SCOTLAND, N.																							
a, Islands: a Lerwick	54	60	9, 11	45	8th	53·1	49·0	53·3	+ 0·3	3	0·35	9	- 6										
p Deerness, Orkney	165	62	9, 13	46	12th	53·7	50·1	54·1	—	4	0·56	14	- 1	Deerness	2·7	- 1·1	17	*	*	*	*	*	*
a Stornoway	51	60	14th	41	12th	53·1	47·7	52·6	- 2·2	4	0·75	19	- 1	Stornoway	2·0	- 2·1	13	*	*	*	*	*	*
a Castlebay, Barra I.	37	57	8, 9, 13	49	12th	56·3	51·7	53·9	—	3	0·17	4	—	Castlebay	2·0	—	13	*	*	*	*	*	*
b, Mainland: a Wick	81	65	13th	44	12th	59·0	49·4	53·9	- 0·7	4	0·20	5	- 10										
a Strathpeffer	125	67	14th	47	14th	64·0	51·1	57·2	+ 0·7	3	0·57	15	+ 1										
p Glencarron	500	62	8, 9	46	8th	60·1	49·4	54·4	- 0·3	3	0·09	2	- 34										
a Fort Augustus	68	66	9, 14	46	8th	63·6	51·9	57·4	+ 0·9	3	0·73	19	+ 1										
p Fort William	171	71	9th	45	8th	66·1	51·1	58·2	+ 1·4	4	0·65	17	- 15										
1. SCOTLAND, E.																							
a Nairn	82	70	13th	43	8th	63·9	50·3	56·7	+ 0·1	4	0·32	8	- 6	Nairn	3·0	—	19	*	*	*	*	*	*
p Gordon Castle	101	71	13th	45	8th	64·0	51·1	57·2	+ 0·5	3	0·39	10	- 8	Gordon Castle	3·0	—	19	*	*	*	*	*	*
a Aberdeen	46	66	9th	47	8th	62·6	51·1	56·5	- 0·1	3	0·08	2	- 14	Aberdeen	2·3	- 2·6	15	0	37	*	*	53·6	-0·5
a Balmoral	930	70	14th	40	8th	62·9	46·6	54·3	+ 0·3	4	1·15	29	+ 12	Balmoral	*	*	*	0	39	*	*	*	*
p Crieff	432	71	14th	49	8, 14	63·6	50·3	56·6	- 1·0	4	0·54	14	- 8	Crathes	1·4	- 3·1	9	0	39	58·0	+5·2	55·1	-0·1
a Dundee	244	69	10, 14	45	8th	65·0	47 7	55·8	- 1·9	4	0·48	12	- 7	Dundee	2·9	—	19	0	40	57·4	*	*	*
a Leith	30	70	14th	50	8th	64·4	52·9	58·3	- 0·4	4	1·13	29	+ 13	Leith	*	*	*	0	49	*	*	*	*
p Edinburgh	441	68	14th	50	8th	62·7	52·1	57·1	+ 0·1	2	0·94	24	+ 8	Edinburgh	2·4	- 2·6	15	0	47	*	*	*	*
a West Linton	769	65	14th	45	13th	60·3	48·3	53·9	- 0·4	3	2·36	60	—	West Linton	1·4	—	9	0	44	*	*	*	*
p Marchmont	498	69	14th	43	9th	64·9	47·9	55·9	- 0·6	1	0·33	8	- 10	Marchmont	3·1	- 1·8	20	*	*	*	*	*	*
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	65	10th	44	11th	62·2	50·4	55·9	—	3	0·96	24	—	Ford (Argyll)	*	*	*	0	37	58·6	—	55·4	—
p Glasgow Observatory	180	69	10th	51	10th	64·3	52·7	58·2	+ 0·8	1	0·24	6	- 15	Glasgow	4·1	- 0·2	26	0	43	*	*	*	*
p Renfrew	120	70	10th	50	8, 10, 11	64·9	51·6	57·9	—	1	0·20	5	—	Renfrew	4·4	—	28	0	41	—	—	—	—
p Rothesay	200	65	10th	49	10, 11	61·4	50·1	55·4	- 2·0	2	0·15	4	- 22	Rothesay	3·1	—	20	0	46	57·4	—	55·0	-0·7
a Kilmarnock	90	68	10th	45	11th	65·6	50·9	57·8	+ 1·3	1	0·05	1	- 21	Kilmarnock	4·1	—	27	*	*	57·2	—	54·0	—
a Colmonell	170	64	9, 10	50	13th	62·1	53·0	57·3	+ 0·9	2	0·24	6	- 15	Colmonell	*	*	*	0	49	*	*	*	*
p Dumfries	160	68	14th	45	13th	64·0	50·6	56·9	- 1·3	1	0·41	10	- 10	Dumfries	2·9	—	19	0	41	58·1	-3·0	55·1	-4·0
a Eskdalemuir	794	68	14th	44	13th	61·7	48·4	54·7	—	2	0·91	23	—	Eskdalemuir	1·9	—	12	0	42	*	*	*	*
b, I. OF MAN p Douglas	277	67	13th	46	13th	61·4	51·1	55·9	- 1·5	2	0·29	7	- 14	Douglas	4·8	- 1·2	31	0	42	*	*	*	*
2. ENGLAND, N.E.																							
a North: a Ainwick Castle	210	71	13th	48	8th	64·6	51·9	57·9	+ 0·6	2	0·07	2	— 14										
a Tynemouth	118	70	13th	50	8th	63·9	52·4	57·8	+ 0·1	2	0·17	4	- 11	Cockle Park	3·8	- 1·5	24	0	42	57·0	-1·5	54·3	-1·7
p Durham	336	75	13th	45	13th	66·6	50·6	58·1	+ 0·1	3	0·12	3	- 11	Durham	3·1	- 1·9	20	0	37	*	*	*	*
p Rounton	249	71	13th	47	13th	64·7	50·4	57·1	- 0·3	4	0·26	7	- 9	Rounton	*	*	*	0	39	58·4	*	*	*
a West Witton	605	70	13th	47	13th	65·9	51·6	58·3	—	3	0·09	2	—	West Witton	*	*	*	0	43	57·6	—	53·9	—
p Scarborough	100	72	13th	50	13th	66·6	52·6	59·2	+ 0·2	1	0·34	9	- 6	Scarborough†	3·5	- 2·0	23	*	*	*	*	57·9	—
p York	56	71	14th	46	13th	66·3	50·6	58·0	- 1·7	3	0·19	5	- 9	York	2·0	- 3·1	13	—	—	58·2	-2·0	56·2	-1·1
b, South: a Spurn Head	26	72	8th	51	8th	64·9	53·0	58·6	- 1·2	1	0·35	9	- 2	Spurn Head	*	*	*	*	*	*	*	*	*
a Lincoln	68	75	8th	50	8th	68·1	52·9	60·0	- 0·3	2	0·16	4	- 9	Lincoln	*	*	*	0	49	58·4	-3·3	56·6	-1·3
a Fulbeck	180	73	8th	47	11th	68·0	50·9	58·9	- 1·3	6	0·31	8	- 6	Fulbeck	3·3	—	22	0	45	—	—	—	—
														Skegness	4·4	- 2·1	29	*	*	*	*	*	*
3. ENGLAND, E.																							
p Cromer	196	73	8th	47	8th	65·7	50·4	57·6	- 2·5	2	0·32	8	- 3	Cromer	4·3	- 1·8	29	*	*	*	*	*	*
a Little Massingham	280	72	8, 13	45	12, 13	65·6	48·4	56·5	- 3·6	3	0·42	11	- 4	Lit. Massingham	4·5	- 1·3	30	*	*	*	*	*	*
a Yarmouth	13	69	14th	49	12th	65·0	52·9	58·6	- 1·8	1	0·55	14	+ 1	Yarmouth	7·4	—	49	0	47	61·0	-3·7	58·9	-2·4
a Norwich	93	72	8th	45	12th	68·0	51·3	59·2	- 1·5	3	0·41	10	- 3	Norwich	6·0	—	40	0	43	60·7	*	*	*
a Geldeston	37	75	14th	43	12th	69·0	49·3	58·6	- 1·8	2	0·07	2	- 9	Geldeston	7·3	+ 1·2	48	*	*	*	*	*	*
p Cambridge	41	75	8th	45	8th	69·7	48·9	58·7	- 2·3	2	0·20	5	- 7	Cambridge	5·5	- 0·6	37	0	40	60·8	-2·5	59·2	-1·0
a Clacton-on-Sea	54	69	14th	50	14th	66·9	53·0	59·5	- 1·7	1	0·03	1	- 9	Clacton	8·4	+ 1·6	56	0	45	61·0	-1·0	59·8	-0·6
a Rothamsted	424	72	8th	45	13th	67·0	49·7	57·8	- 2·1	2	0·12	3	- 10	Rothamsted	6·2	+ 0·1	41	0	38	59·9	*	*	*
p Tottenham	51	74	8, 14	48	13th	70·0	52·7	60·8	—	1	0·01	0	—	Tottenham	6·8	—	46	0	48	*	*	60·0	-1·4
														S'thend-on-Sea	7·3	—	49	0	48	63·3	-4·0	—	—
4. MIDLAND COUNTIES.																							
a North: a Harrogate	479	68	8, 13	45	13th	64·4	50·4	57·0	- 1·0	3	0·31	8	- 6	Harrogate	1·8	- 3·6	12	0	39	56·0	-1·8	54·7	-1·6
p Sheffield	429	71	8, 13	49	8th	65·7	52·7	58·8	—	4	0·26	7	—	Sheffield	3·1	- 2·3	20	0	44	57·9	-1·8	55·9	0 0
p Buxton	987	67	13th	45	12th	61·1	49·7	55·1	—	4	0·49	12	- 9	Buxton	2·7	—	18	0	41	56·4	-2·6	54·2	-0·9
b, East: a Worksop	56	73	8th	46	14th	67·6	49·9	58·2	- 1·5	5	0·06	2	- 10	Worksop	2·1	- 2·8	14	0	39	58·6	—	56·1	—
a Nottingham	82	73	13th	48	8, 14	66·6	51·1	58·4	- 1·6	3	0·16	4	- 8	Nottingham	3·0	- 2·5	20	0	43	59 2	-2·3	57·6	-1·5
p Birmingham, Edgbsn.	535	70	8th	50	8,9,11,14	65·3	51·3	57·9	- 1·9	4	1·13	29	+ 16	Birmingham	2·1	- 2·7	14	0	42	55·0	-2·1	52·4	-1·2
a Raunds	203	73	8, 13	45	8th	68·3	49·0	58·1	- 2·8	2	0·09	2	- 11	Raunds	5·3	—	35	0	38	59·4	—	56·6	—
p Oxford	208	73	8th	47	11th	68·7	51·4	59·5	- 1·6	0	0·00	0	- 12	Oxford	5·7	- 0·4	38	0	40	*	*	*	*
														Malvern	4·4	—	30	0	45	60·2	—	58·2	—
c, West: a Cheadle (N. Staffs.)	646	71	13th	47	8th	64·4	50·1	56·8	- 1·4	4	0·17	4	- 13	Cheadle	*	*	*	0	46	*	*	*	*
p Tenbury	313	73	13th	43	11th	68·3	49·6	58·4	- 0·8	4	0·39	10	- 4	Tenbury	*	*	*	0	37	59·6	—	—	—
a Hereford	291	72	13th	44	11th	68·7	49·0	58·3	- 1·8	1	0·07	2	- 10	Ross-on-Wye	4·8	—	32	0	39	61·6	—	58·9	—
a Clifton	228	74	8th	52	8th	68·9	53·6	60·8	- 1·4	2	0·26	7	- 10	Clifton	5·4	—	36	0	46	*	*	*	*
5. ENGLAND, S.E.																							
a Marlborough	424	71	8, 14	40	11th	68·7	46·6	57·0	- 1·9	0	0·00	0·1	- 12	Worthing	8·1	+ 1·0	54	0	48	63·3	-1·2	60·4	-0·4
p Wilton Ho.*	180	73	14th	43	11th	69·1	48·3	58·1	- 2·8	1	0·06	2	- 10	Marlborough	4·8	- 0·9	32	0	33	59·6	—	57·0	—
a Wisley, Surrey	150	74	8th	46	14th	70·1	49·9	59·4	- 1·6	0	0·00	0	- 9	Wilton Ho.	*	*	*	0	40	61·5	*	*	*
a Tunbridge Wells	354	75	14th	45	13th	68·9	50·0	58·9	- 2·0	0	0·00	0	- 11	Wisley	6·7	+ 0·4	45	0	38	62·2	-1·0	59·0	-1·1
a Margate	51	73	8th	53	8th	67·6	55·9	61·4	- 0·9	2	0·14	4	- 5	Tunbridge Wells	6·9	+ 0·3	46	0	40	61·1	-4·1	59·2	—
														Margate	8·0	+ 1·7	53	0	48	63·3	+0·4	61·9	+2·0
a Dungeness	21	69	14th	47	11, 12	67·0	50·3	58·2	- 3·3	0	0·00	0	- 9	Folkestone	7·9	—	53	*	*	*	*	55·9	—
p St. Leonards	178	70	14th	52	9, 10, 13	67·4	53·0	59·8	- 1·8	0	0·00	0	- 11	St. Leonards	7·8	+ 0·8	53	0	47	63·4	—	60·3	—
p Southampton	64	71	13th	47	11th	67·3	51·6	59·0	- 3·5	0	0·00	0	- 12	Southampton	7·8	+ 1·1	52	0	41	*	*	*	*
a Ventnor	59	74	14th	52	11th	67·9	55·4	61·3	- 1·0	0	0·00	0	- 9	Ventnor	8·0	+ 1·2	54	*	*	*	*	*	*
LONDON. a Richmond Kew Obs.)	18	73	8th	47	8th	69·3	51·8	60·0	- 1·8	0	0·00	0	- 10	Richmond	5·7	- 0·5	38	0	41	61·0	-1·6	58·1	-0·7
a Westminster	27	76	14th	51	8, 13	70·0	53·5	61·3	- 1·3	2	0·02	1	- 9	Westminster	6·0	+ 0·4	40	0	43	*	*	*	*
ag Greenwich	149	78	14th	46	13, 14	71·1	50·6	60·2	- 2·5	1	0·01	0	- 13	Greenwich	6·6	- 0·6	44	0	40	*	*	*	*
a Hampstead	450	74	13th	50	10th	68·7	52·3	60·0	—	1	0·01	0	—	Hampstead	6·8	—	45	—	—	*	*	*	*
ag Camden Square	110	79	8th	49	13th	73·1	51·7	61·8	- 1·5	2	0·04	1	- 9	Camden Square	—	—	—	0	46	*	*	*	*
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	64	10th	47	13th	61·7	50·3	55·7	- 2·2	3	0·23	6	- 16	Aspatria	3·2	- 2·0	21	0	46	55·8	-4·1	53·2	-2·4
p Newton Rigg	559	—	—	49	13th	—	50·8	—	—	1	0·06	2	- 16	Newton Rigg	2·0	- 3·2	13	—	—	57 0	-3·2	55·3	-1·0
p Stonyhurst	375	66	13th	50	13th	63·4	52·6	57·7	- 0·3	2	0·31	8	- 17	Stonyhurst	3 1	- 1·9	20	0	44	*	*	*	*
p Blackpool	66	65	12th	52	12, 13	63·7	54·3	58·7	- 0·3	2	0·17	4	- 14	Blackpool	6·0	- 0·1	39	0	48	59·9	—	55·6	—
a Southport	37	63	8, 13	51	12, 13	62·1	53·4	57·5	- 1·7	2	0·08	2	- 16	Southport	4·1	- 1·9	27	0	46	62·0	-1·4	60·6	-0·5
														Hoylake	4·4	- 1·3	29	*	*	*	*	*	*
a Liverpool (Bidston)	188	64	8th	52	8th	61·0	53·4	57·0	- 2·7	4	0·31	8	- 8	Liverpool	3 9	—	26	0	46	*	*	*	*
a Hawarden Bridge	22	65	13th	53	8, 11	63·6	54·7	58·9	- 1·6	4	0·20	5	- 9	Manchester (City)	1 8	- 2·4	12	0	50	58·6	-2·9	58·1	-1·4
p Mancnester (Whit. Pk.)	125	70	13th	50	12th	64·4	52·7	58·2	- 2·0	3	0·17	4	- 14	Whitworth Park	1·9	- 2·4	13	*	*	*	*	*	*
b, NORTH WALES.																							
p Llandudno	16	65	8th	49	13th	61·9	52·7	57·0	- 3·0	3	0·30	8	- 7	Llandudno	4·1	- 1·9	27	*	*	*	*	*	*
a Holyhead	15	66	12th	49	11th	61·7	53·0	57·1	- 1·8	3	0·25	6	- 10	Holyhead	4·9	—	32	0	?40	*	*	*	*
a Aberdovey	60	70	13th	54	11, 14	64·1	55·3	59·4	—	4	0·31	8	—	Aberdovey	2·1	- 3·7	14	*	*	*	*	*	*

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperatures. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 1 ft Mean.	Earth 1 ft Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*. SOUTH WALES.																							
a Aberystwyth	59	64	13th	52	14th	62·1	54·1	57·9	—	4	0·48	12	—	Aberystwyth ..	2·2	- 3·5	15	•	•	•	•	•	•
a Rhayader	757	66	13th	43	14th	61·0	49·4	54·9	—	3	0·52	13	—	Rhayader ..	0·7	—	5	0	37	•	•	•	•
a St. Ann's Head ..	149	66	14th	51	10th	62·6	53·6	57·8	- 1·4	1	0·24	6	- 9	St. Ann's Head ..	4·2	- 2·2	28	•	•	•	•	•	•
p Cardiff	202	72	14th	52	8th	66·7	53·3	59·6	- 0·7	3	0·45	11	- 8	Cardiff	3·9	—	26	0	46	61·0	-1·2	57·9	-1·2
b. ENGLAND, S.W.																							
a Bath	66	72	8th	44	11th	68·4	51·1	59·2	- 1·7	0	0·00	0	- 14	Bath	4·3	- 2·2	29	—	—	61·4	-3·4	59·8	-1·6
a Shaftesbury	722	71	14th	48	11th	65·9	50·7	57·8	- 1·9	0	0·00	0	- 14	Shaftesbury ..	•	•	•	•	•	59·2	—	57·4	—
a Arlington	613	70	13th	49	10th	63·6	51·1	57·0	- 1·7	2	0·59	15	- 9										
a Newquay	190	65	13th	47	12th	62·8	52·3	57·2	- 3·3	2	0·16	4	- 8	Newquay ..	5·8	- 0·9	39	—	—	61·4	—	58·5	—
a Cullompton	202	75	14th	46	8th	68·6	49·4	58·4	- 2·0	0	0·00	0	- 15	Cullompton ..	4·4	- 1·6	29	0	42	60·1	•	•	•
a Portland Bill	19	67	14th	54	11th	64·0	55·1	59·3	- 1·7	1	0·08	2	- 8	Weymouth ..	7·7	—	52	•	•	•	•	•	•
p Plymouth	116	72	14th	48	10th	66·1	52·7	59·0	- 2·1	2	0·02	1	- 13	Plymouth ..	4·1	- 2·5	27	0	44	60·6	-3·7	58·6	—
a Falmouth	167	70	14th	47	11th	65·7	52·0	58·4	- 2·1	2	0·05	1	- 15	Falmouth ..	6·3	- 0·7	43	0	39	63·3	—	61·5	—
9. IRELAND, N.																							
a West .. *a* Malin Head	208	63	8th	51	10, 12	57·6	52·0	54·6	- 2·5	2	0·55	14	- 7	Malin Head ..	4·1	—	26	•	•	—	—	•	•
a Blacksod Point ..	37	61	8, 13, 14	51	11, 12	59·9	52·7	56·1	- 1·9	5	0·62	16	- 10	Mallarany ..	—	—	—	0	48	•	•	•	•
a Mallarany	120	65	12th	50	11th	61·0	53·0	56·8	—	3	0·68	17	—	Markree Castle	1·7	- 2·5	11	0	45	59·3	-1·4	56·0	-0·8
p Markree Castle ..	122	66	8th	49	10th	62·1	52·0	56·8	- 0·2	5	0·54	14	- 11										
b, East .. *p* Armagh	196	69	14th	41	11th	63·7	49·9	56·4	- 1·3	3	0·19	5	- 16	Armagh	1·9	- 2·4	13	0	34	58·1	-3·1	55·8	-2·2
a Donaghadee	39	63	8, 13	52	11–13	60·6	52·7	56·4	- 1·3	4	0·26	7	- 13										
10. IRELAND, S.																							
p Dublin, City	47	68	8th	52	10th	63·1	54·0	58·3	- 1·6	4	0·20	5	- 13	Trinity Coll. ..	2·0	—	13	0	48	60·0	-1·1	57·2	-1·9
a Birr Castle	175	65	8, 12	45	11th	62·9	50·1	56·1	- 2·2	5	0·65	16	- 6	Phœnix Park ..	2·1	- 3·4	14	0	45	•	•	•	•
a Kilkenny	195	68	8th	48	11th	63·7	52·7	57·9	- 0·8	3	0·43	11	- 9	Dublin City ..	•	•	•	0	47	•	•	•	•
a Waterford	137	73	8th	49	11th	63·7	52·1	57·6	- 2·0	2	0·28	7	- 15	Birr Castle ..	2·2	- 2·6	15	0	39	•	•	•	•
p Seskin, Carrick-on-Suir	535	66	8, 11, 13	47	11th	63·9	50·9	57·0	—	4	0·47	12	—	Seskin	3·4	—	23	0	34	•	•	•	•
a Cahir	199	71	8th	46	11th	65·3	51·9	58·2	- 0·7	3	0·47	12	—										
a Foynes	50	64	8, 11, 14	48	11th	63·1	53·0	57·8	- 1·1	4	0·44	11	- 11										
a Cahirciveen (Val. Obs.)	30	64	11th	53	10, 11	61·6	54·0	57·6	- 1·5	5	0·31	8	- 19	Cahirciveen ..	2·1	- 3·2	14	0	48	•	•	•	•
a Killarney	174	71	10th	50	11th	66·5	54·3	60·0	+ 0·7	4	0·26	7	- 18	Ballinacurra ..	3·3	- 2·0	22	•	•	•	•	•	•
a Roche's Point	32	66	14th	50	9, 11	62·4	52·6	57·2	- 2·1	4	0·73	19	- 2										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	11, 14	55	9, 10, 12	64·7	55·6	59·9	- 1·1	2	0·24	6	- 8	Scilly	8·3	+ 0·9	56	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	73	12th	50	11th	68·7	55·7	61·8	- 1·2	0	0·00	0	- 13	St. Heliers ..	9·1	+ 0·9	61	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	71	8, 12	51	11th	68·0	55·1	61·2	- 1·3	1	0·02	1	- 12	Guernsey† ..	10·9	+ 2·6	73	0	49	63·4	-0·9	61·1	-0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 14th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	48	106	14	0	260	9	13	21	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	—	60	84	24	310	4	10	13	9	10	12	10
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	11	105	52	0	320	7	10	15	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	35	96	37	0	260	9	13	21	11	13	21	15
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	—	—	10	88	70	0	210	8	8	18	14	8	17	10
Paisley	188	81	15	—	—	—	—	7	118	43	0	190	8	8	15	15	8	15	15
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	—	41	110	17	340	5	10	3	10	10	1	55
South Shields	72	61	12	—	—	—	—	3	95	70	0	160	6	8	11	12	9	13	50
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	—	—	—	29	112	27	0	170	9	8	14	12	9	17	50
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	—	—	15	74	79	0	250	7	9	14	13	9	15	50
5. ENGLAND, S.E. Brighton	261	53	6	—	—	—	—	9	92	67	0	—	9	9	13	13	9	13	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	2	91	75	0	240	6	9	15	12	9	15	20
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	9, 10	5	67	75	21	0	300	12	9	21	—	—	—	—
Southport	80	62	48	—	—	9, 10	10	62	88	8	0	310	12	9	20	15	9	20	5
Holyhead	60	40	‡	—	—	9	2	48	66	52	0	300	11	9	21	16	8	12	5
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	—	8	1	55	94	18	0	220	11	8	13	15	9	8	55
Plymouth	185	88	2	—	—	—	—	20	100	48	0	—	7	8	6	11	9	10	40
Lyme Regis	556	61	‡	—	—	—	—	3	23	142	0	—	7	9	13	12	9	12	55
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	9	1	57	79	31	0	270	11	9	16	—	—	—	—
Quilty	100	40	‡	—	—	8, 9	4	26	67	62	9	—	12	8	24	17	9	0	30
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	31	81	56	0	250	10	8	21	15	8	21	45
Weaver Pt.	160	30	‡	—	—	—	—	41	90	27	10	—	9	8	1	14	9	3	20
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	—	—	27	56	85	0	280	9	9	7	13	9	6	20

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SECOND WEEK of 1920—August 8th to August 14th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	71	41	89·3	82·9	85·9	0·0	93	+ 1	0	0	3	− 2	0·48	12	− 10	2·4	−1·3	15	1020
Eastern.																			
1. SCOTLAND, EAST ...	71	40	90·4	82·9	86·5	− 0·2	100	− 2	0	0	3	− 1	0·79	20	+ 2	2·5	−2·3	16	1020
2. ENGLAND, N.E.	75	45	91·9	83·9	87·7	− 0·1	115	− 2	0	0	3	− 1	0·22	6	− 8	3·3	−2·2	22	1021
3. ENGLAND, EAST ...	75	43	92·7	83·4	87·8	− 1·1	116	− 14	0	0	2	− 1	0·24	6	− 6	6·3	+0·2	42	1021
4. MIDLAND COUNTIES ...	74	43	92·3	83·3	87·6	− 0·8	114	− 10	0	0	3	0	0·26	7	− 6	3·5	−2·1	23	1021
5. ENGLAND, S.E.	75	40	93·1	83·7	88·2	− 1·2	121	− 15	0	0	1	− 2	0·02	1	− 9	7·2	+0·6	48	1022
Western.																			
6. SCOTLAND, WEST ...	69	44	90·2	83·7	86·8	− 0·3	104	− 3	0	0	2	− 2	0·33	8	− 15	4·5	−0·7	29	1020
7. ENGLAND, N.W.	70	47	90·0	84·6	87·2	− 0·7	109	− 9	0	0	3	− 1	0·22	6	− 13	3·4	−2·0	22	1021
8. ENGLAND, S.W.	75	43	91·5	84·0	87·5	− 1·1	113	− 13	0	0	1	− 3	0·20	5	− 11	4·0	−2·2	27	1023
9. IRELAND, NORTH ...	69	41	89·2	83·9	86·4	− 0·8	99	− 9	0	0	4	0	0·47	12	− 11	1·8	−2·5	12	1021
10. IRELAND, SOUTH ...	73	45	90·6	84·5	87·4	− 0·7	111	− 9	0	0	4	0	0·42	11	− 11	2·4	−2·8	16	1023
11. ENGLISH CHANNEL ...	73	50	92·5	86·1	89·1	− 0·6	133	− 7	0	0	1	− 2	0·09	2	− 12	9·4	+1·4	64	1023

THE SEASON (Summer).—Aggregates, &c., for the Period of 11 Weeks, May 30th to August 14th, 1920.

0. SCOTLAND, NORTH ...	79	35	88·6	81·7	84·9	− 0·1	878	− 27	0	− 2	43	− 3	7·31	187	− 12	5·9	+1·3	34	1012
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·5	81·2	85·1	− 0·8	906	−107	3	+ 2	41	+ 1	6·52	164	0	5·7	+0·2	34	1012
2. ENGLAND, N.E.	79	31	90·9	83·0	86·7	− 0·2	1125	− 28	0	0	41	+ 6	6·13	157	+ 13	5·4	−0·6	33	1014
3. ENGLAND, EAST ...	80	35	92·1	83·5	87·5	− 0·4	1242	− 58	0	0	35	+ 1	5·44	137	+ 4	6·3	−0·4	39	1015
4. MIDLAND COUNTIES ...	81	32	91·5	82·9	86·9	− 0·7	1155	−104	0	0	44	+10	8·14	207	+ 62	4·7	−1·3	29	1015
5. ENGLAND, S.E.	78	33	91·9	83·9	87·6	− 0·7	1259	− 93	0	0	33	+ 1	6·95	177	+ 52	6·0	−1·0	37	1016
Western.																			
6. SCOTLAND, WEST ...	80	36	89·6	82·7	85·9	− 0·5	1021	− 70	0	0	49	+ 7	9·74	247	+ 39	5·1	−0·8	30	1013
7. ENGLAND, N.W.	80	35	89·9	83·7	86·6	− 0·7	1119	− 69	0	0	48	+10	9·77	248	+ 69	4·5	−1·6	28	1014
8. ENGLAND, S.W.	75	33	90·3	83·8	86·9	− 0·7	1153	−102	0	0	46	+ 9	9·40	239	+ 70	5·1	−1·4	32	1016
9. IRELAND, NORTH ...	70	35	89·2	82·6	85·7	− 0·7	986	−105	0	0	52	+ 5	7·63	194	0	4·3	−0·7	26	1013
10. IRELAND, SOUTH ...	74	35	90·1	83·3	86·5	− 0·8	1103	−115	0	0	51	+11	8·45	216	+ 26	4·7	−0·9	29	1015
11. ENGLISH CHANNEL ...	73	40	90·6	85·3	87·8	− 0·5	1273	− 74	0	0	34	− 1	6·29	160	+ 28	7·0	−0·9	44	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 32 Weeks, January 4th to August 14th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·1	77·8	80·8	+ 0·4	1307	+ 20	387	−152	151	+ 5	37·62	955	+241	4·1	+0·5	30	1008
Eastern.																			
1. SCOTLAND, EAST ...	81	19	84·8	77·4	80·9	+ 0·3	1389	− 71	456	−161	137	+12	20·03	508	+ 64	4·3	+0·1	32	1009
2. ENGLAND, N.E.	79	24	86·1	78·8	82·3	+ 0·9	1819	+171	280	−192	129	+17	18·24	466	+111	4·2	−0·4	31	1012
3. ENGLAND, EAST ...	84	20	87·3	79·2	83·1	+ 1·1	2114	+208	270	−224	113	+ 4	13·73	350	+ 11	4·8	−0·1	36	1015
4. MIDLAND COUNTIES ...	82	20	87·2	79·0	82·8	+ 0·9	1962	+ 71	263	−259	134	+26	21·80	553	+172	3·8	−0·6	28	1014
5. ENGLAND, S.E.	81	17	87·3	79·9	83·5	+ 0·9	2193	+170	166	−213	116	+11	16·72	427	+ 63	4·6	−0·5	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	85·1	78·8	81·8	+ 0·3	1597	− 8	269	−147	161	+29	33·01	840	+192	3·6	−0·8	27	1011
7. ENGLAND, N.W.	81	22	85·7	79·7	82·6	+ 0·7	1820	+ 90	187	−195	147	+29	28·83	732	+248	3·6	−0·9	27	1013
8. ENGLAND, S.W.	78	17	86 3	80·0	83·1	+ 0·6	1970	+ 57	131	−170	144	+27	27·00	684	+162	4·0	−0·9	30	1015
9. IRELAND, NORTH ...	77	23	85·4	78·8	82·0	+ 0·2	1670	+ 3	241	− 99	165	+21	25·00	636	+ 92	3·5	−0·5	26	1010
10. IRELAND, SOUTH ...	78	22	86·2	79·7	82·9	+ 0·2	1908	− 35	145	−115	159	+32	28·25	717	+146	3·8	−0·7	29	1013
11. ENGLISH CHANNEL ...	75	29	86·9	81·9	84·3	+ 0·6	2340	+157	20	− 85	118	− 3	17·50	442	+ 17	5·3	−0·5	40	1017
	°F.	°F		a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 20th August, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 33.

THIRTY-THIRD WEEK,
SUNDAY, AUGUST 15TH TO SATURDAY, AUGUST 21ST, 1920.

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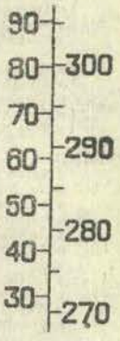
I.—GENERAL SUMMARY. [First published in 1878.]

At the commencement of the week the weather was fair and warm over the United Kingdom generally, but very soon a depression developed over our northern districts, which grew deeper as it moved slowly eastwards towards the North Sea. Very heavy rain associated with this disturbance fell in most parts of Great Britain; in the north of Scotland on the 16th, in the south and east of that country on the 17th and over the east and south of England on the 18th. Thunder occurred in various parts of England on different days and hail fell in a few localities. The wind veered to the northward after the middle of the week, when there was a considerable fall of temperature over Scotland and England; the maxima at the end of the week were in many instances 10 a lower than on the opening days. The highest of the maxima occurred generally on Sunday or Monday, when readings of 294 a and over were registered in most districts, the absolute highest being 297 a at Crathes (Kincardineshire), at Southend-on-Sea, and in the London area. The minima occurred on the morning of the 20th, when the thermometer in the screen went down to 275 a at many inland stations in Great Britain, the lowest being 274 a at West Linton. The mean temperature was below the normal in all districts, the deviation being about 2 a generally. Rainfall was more than the normal in Scotland and the east and south of England, but in all other districts it was less. In some regions the fall was exceptionally heavy, *e.g.* on the 17th Glasgow had 67mm., Renfrew 71mm., Edinburgh 76mm., and West Linton 77mm., extensive flooding and damage to crops being reported. On the 18th amounts of 20mm. and more fell over all the south and south-east of England. Bright sunshine was again scanty in all districts, but the duration varied greatly at neighbouring stations, thus the percentage of the possible at Gordon Castle was only 15 against 42 at Dundee, Norwich had only 14 per cent. against 28 at Yarmouth and 38 at Southend-on-Sea, while at Southampton the percentage was 28 and at St. Leonards-on-Sea 52. Solar halos were reported at Oxford, Tenbury and Ross on the 15th and at Aberdeen there was a sun pillar on the 18th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	6	3·0	8	3·1	5	2·1	6	1·5	11	4·7	2	1·3	10	3·1	10	3·2
North	19	5·7	17	3·4	13	2·5	13	2·3	17	6·1	24	3·0	16	4·1	15	4·3
West	28	3·8	20	5·1	17	3·3	19	2·3	26	3·5	20	1·4	25	4·8	18	2·3
East	0	—	5	3·1	1	2·1	1	1·4	2	2·7	6	1·2	2	1·8	8	1·2
Calm	0	—	1	—	8	—	7	—	0	—	2	—	1	—	2	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Very deficient	Deficient	Deficient	Deficient	Very deficient	Very deficient	Deficient	Very deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Very heavy	Moderate	Heavy	Light	Moderate	Heavy	Moderate	Light	Moderate	Light	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 12 weeks from May 30th, 1920.	Warmth ...	1, 6, 5	1, 4, 7	3, 4, 5	4, 2, 6	1, 6, 5	1, 4, 7	1, 5, 6	1, 6, 5	1, 3, 8	1, 5, 6	0, 5, 7	2, 4, 6
	Rainfall ...	2, 7, 3	4, 5, 3	2, 7, 3	4, 6, 2	5, 3, 4	5, 5, 2	5, 5, 2	8, 1, 3	6, 3, 3	2, 7, 3	4, 5, 3	6, 3, 3
	Sunshine ...	6, 3, 3	4, 3, 5	2, 3, 2	2, 5, 5	0, 4, 8	0, 7, 5	1, 3, 8	1, 2, 9	1, 4, 7	2, 2, 8	1, 4, 7	2, 4, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29810—19) Wt. 24—561/P 25 500 8/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F	°F.
0. SCOTLAND, N.																						
a, Islands ..	54	56	17,18	41	18th	54·0	45·4	49·4	- 3·2	5	0·60	15	- 1									
p Deerness, Orkney ..	165	59	16th	44	18th	55·7	46·7	50·9	—	7	0·41	11	- 5	Deerness ..	3·1	- 1·1	20	•	•	•	•	•	•
a Stornoway ..	51	59	16th	41	19th	56·1	47·0	51·3	- 3·0	3	0·59	15	- 7	Stornoway ..	2·6	- 2·0	17	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	58	16th	46	18, 19	55·9	49·3	52·4	—	3	0·91	23	—	Castlebay ..	2·8	—	18	•	•	•	•	•	•
b, Mainland.																						
a Wick	81	67	16th	40	20th	57·4	45·3	51·0	- 3·1	5	0·32	8	- 7									
a Strathpeffer	125	67	16th	43	20th	59·0	46·9	52·6	- 3·3	1	0·30	8	- 6									
p Glencarron	500	61	15th	41	19th	55·0	46·0	50·2	- 4·0	5	1·72	44	+ 8									
a Fort Augustus.. ..	68	63	16th	40	20th	57·6	46·4	51·7	- 4·2	3	1·25	32	+ 14									
p Fort William	171	62	20th	40	19, 20	58·6	45·6	51·7	- 4·6	4	2·53	64	+ 32									
1. SCOTLAND, E.																						
a Nairn	82	69	16th	42	15th	59·0	46·0	52·1	- 3·7	6	1·06	27	+ 12	Nairn	3·1	—	20	•	•	•	•	•	•
p Gordon Castle ..	101	72	16th	44	15th	59·9	47·3	53·2	- 2·7	5	1·18	30	+ 11	Gordon Castle..	2·3	—	15	•	•	•	•	•	•
a Aberdeen	46	74	16th	44	19th	57·7	47·6	52·4	- 3·4	6	1·42	36	+ 19	Aberdeen ..	3·9	- 1·0	26	0	40	•	•	53·8	- 0·5
a Balmoral	930	68	16th	40	15, 19, 20	55·1	43·0	48·7	- 4·4	5	1·43	36	+ 17	Balmoral ..	•	•	•	0	37	•	•	•	•
p Crieff	432	68	16th	40	19th	61·9	44·7	52·8	- 4·0	3	2·69	68	+ 42	Crathes	3·6	- 0·9	24	0	38	57·4	- 0·9	55·7	+ 0·1
a Dundee	244	69	16th	35	19th	61·3	42·6	51·4	- 5·4	3	1·76	45	+ 24	Dundee	6·3	—	42	1	29	56·7	•	•	•
a Leith	30	66	16th	45	19th	60·6	50·1	55·0	- 2·9	4	3·03	77	+ 59	Leith	•	•	•	0	39	•	•	•	•
p Edinburgh	441	66	16th	41	19, 20	59·4	46·4	52·5	- 3·8	5	3·27	83	+ 65	Edinburgh ..	3·2	- 1·6	22	0	36	•	•	•	•
a West Linton	769	61	15, 16	33	20, 21	58·6	40·3	48·9	- 4·6	6	3·38	86	—	West Linton ..	2·9	—	19	1	28	•	•	•	•
p Marchmont	498	71	16th	40	19th	61·9	46·6	53·8	- 1·9	3	1·97	50	+ 30	Marchmont ..	2·9	- 1·9	19	•	•	•	•	•	•
6. *a*. SCOTLAND, W																						
a Ford (Argyll)	149	60	16, 20	38	19, 20	57·2	45·7	51·4	—	3	2·38	60	—	Ford (Argyll) ..	•	•	•	2	29	57·9	—	56·1	—
p Glasgow Observatory	180	62	16, 20, 21	42	20th	60·0	47·1	53·2	- 3·8	6	3·08	78	+ 56	Glasgow.. ..	4·2	- 0·1	28	0	31	•	•	•	•
p Renfrew	120	66	16th	37	20th	61·1	46·7	53·5	—	5	3·08	78	—	Renfrew ..	4·8	—	32	1	27	—	—	—	—
p Rothesay	200	65	16th	43	19, 20	59·3	44·9	51·7	- 5·3	5	1·07	27	- 1	Rothesay ..	5·9	—	39	0	35	56·7	—	55·4	- 0·6
a Kilmarnock	90	65	15th	37	20th	61·7	46·3	53·5	- 2·5	3	2·94	75	+ 51	Kilmarnock ..	3·7	—	25	•	•	56·0	—	54·3	—
a Colmonell	170	64	16th	42	20th	61·4	49·3	55·0	- 1·0	4	1·60	41	+ 18	Colmonell ..	•	•	•	0	39	•	•	•	•
p Dumfries	160	64	16th	40	15, 20	61·0	46·6	53·4	- 4·4	4	0·64	16	- 6	Dumfries ..	4·6	—	31	0	32	57·7	- 3·1	55·6	- 3·8
a Eskdalemuir	794	63	16th	36	20th	58·4	42·4	49·9	—	6	2·06	52	—	Eskdalemuir ..	3·7	—	25	1	28	•	•	•	•
b, I. OF MAN *p* Douglas	277	63	16th	47	18-20	58·7	50·3	54·3	- 2·8	3	1·16	29	+ 7	Douglas	4·3	- 1·6	29	0	42	•	•	•	•
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	69	16th	43	19th	60·0	47·1	53·2	- 3·6	4	1·44	37	+ 19									
a Tynemouth	118	69	16th	48	19, 20	59·1	50·7	54·7	- 2·6	3	0·71	18	+ 2	Cockle Park ..	2·7	- 2·4	18	0	38	55·4	- 2·4	54·9	- 1·1
p Durham	336	67	16th	39	19th	59·1	44·6	51·4	- 6·0	4	0·59	15	+ 1	Durham ..	2·8	- 2·0	19	0	31	•	•	•	•
a North .. *p* Rounton	249	69	16th	38	19th	61·7	47·4	54·1	- 2·8	4	0·62	16	0	Rounton ..	•	•	•	1	30	58·5	•	•	•
a West Witton	605	66	16th	41	19th	59·0	48·3	53·3	—	4	0·30	8	—	West Witton ..	•	•	•	0	37	56·9	—	54·1	—
p Scarborough	100	72	17th	47	21st	65·4	51·4	58·0	- 0·5	4	0·46	12	- 4	Scarborough† ..	4·3	- 1·0	29	•	•	•	•	58 5	—
p York	56	73	17th	41	19th	63·1	48·9	55·6	- 3·6	3	0·25	6	- 9	York	4·4	- 0·4	30	—	—	58·5	- 1·5	56·6	- 1·0
a Spurn Head	26	72	17th	45	20th	62·1	50·4	55·9	- 3·5	2	0·79	20	+ 8	Spurn Head ..	•	•	•	•	•	•	•	•	•
b, South *a* Lincoln	68	72	15th	42	19, 20	63·7	49·1	56·0	- 3·8	3	0·14	4	0	Lincoln	•	•	•	0	40	58·8	- 2·4	57·1	- 1·2
a Fulbeck	180	73	15th	37	20th	63·9	48·1	55·5	- 4·1	3	0·26	7	- 8	Fulbeck ..	4·6	- 1·4	31	0	36	—	—	—	—
														Skegness ..	—	—	—	•	•	•	•	•	•
3. ENGLAND, E.																						
p Cromer	196	68	18th	45	20th	62·4	49·9	55·8	- 4·1	4	0·45	12	0	Cromer	2·2	- 4·0	15	•	•	•	•	•	•
a Little Massingham ..	280	73	15th	44	20th	62·3	48·9	55·2	- 4·0	3	0·81	21	+ 5	Lit. Massingham	2·7	- 3·3	18	•	•	•	•	•	•
a Yarmouth	13	70	15, 18	45	20th	64·1	52·1	57·7	- 2·4	4	0·95	24	+ 10	Yarmouth ..	4·1	—	28	0	45	61·1	- 3·1	59·0	- 2·4
a Norwich	93	72	15th	47	20th	63·1	52·0	57·2	- 3·2	4	0·78	20	+ 7	Norwich ..	2·1	—	14	0	43	61·0	•	•	•
a Geldeston	37	73	15th	43	20th	65·3	49·9	57·1	- 3·0	3	1·07	27	+ 15	Geldeston ..	4 3	- 2·0	29	•	•	•	•	•	•
p Cambridge	41	74	15th	44	20th	64·6	49·7	56·7	- 4·0	2	0·31	8	- 5	Cambridge ..	5·0	- 1·3	34	—	—	61·1	- 1·8	59·2	- 1·2
a Clacton-on-Sea ..	54	70	17th	45	20th	64·0	51·4	57·3	- 3·7	3	0·73	19	+ 9	Clacton	5·0	- 2·1	34	0	43	61·3	- 0·6	60·1	- 0·4
a Rothamsted	424	69	15th	41	20th	61·6	48·4	54·6	- 4·9	3	0·58	15	+ 1	Rothamsted ..	5·4	- 0·8	37	0	37	59·0	•	•	•
p Tottenham	51	73	15th	44	21st	65·0	52·1	58·2	—	3	0·82	21	—	Tottenham ..	4·2	—	29	0	40	•	•	60·7	- 1·1
														S'thend-on-Sea	5·6	—	38	0	41	63·7	- 3·4	—	—
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	69	15th	40	19th	59·9	47·3	53·2	- 4·4	4	0·29	7	- 9	Harrogate ..	4·9	- 0·4	33	0	36	55·8	- 1·8	54·9	- 1·6
p Sheffield	429	71	17th	43	20th	61·9	49·6	55·4	—	2	0·16	4	—	Sheffield.. ..	5·2	- 0·1	35	0	38	57·4	- 1·9	56·0	- 0·1
p Buxton	987	67	17th	41	20th	58·4	47·0	52·4	—	3	0·35	9	- 15	Buxton	2·4	—	16	0	36	56·1	- 2·8	54·4	- 1·0
b, East *a* Worksop	56	72	15th	41	19, 20	64·4	48·1	55·8	- 3·5	3	0·14	4	- 9	Worksop ..	4·9	+ 0·1	33	0	33	58·9	—	56·5	—
a Nottingham	82	69	17th	41	20th	63·1	49·4	55·8	- 3·8	3	0·20	5	- 9	Nottingham ..	4·2	- 1·4	28	0	36	58·5	- 2·4	58·2	- 1·1
p Birmingham, Edgbsn.	535	72	15th	44	19, 20	62·7	49·0	55·4	- 4·0	3	0·11	3	- 12	Birmingham ..	3·0	- 1·8	20	0	38	54·8	- 2·1	52·9	- 0·9
a Raunds	203	--	—	—	—	—	—	—	—	3	0·37	9	- 6	Raunds	—	—	—	—	—	—	—	—	—
p Oxford	208	73	15th	42	20, 21	63·3	49·0	55·7	- 5·0	2	0·31	8	- 5	Oxford	3·7	- 2·4	25	0	37	•	•	•	•
														Malvern ..	4·8	—	33	0	41	60·3	—	58·9	—
a Cheadle (N. Staffs.) ..	646	67	17th	41	19th	60·3	48·6	54·1	- 3·7	4	0·18	5	- 14	Cheadle	•	•	•	0	40	•	•	•	•
c, West *p* Tenbury	313	73	15th	41	20th	64·4	48·9	56·2	- 2·6	2	0·15	4	- 12	Tenbury	•	•	•	0	35	60·4	—	—	—
a Hereford	291	72	15th	44	19, 20	63·9	48·9	56·0	- 3·7	2	0·21	5	- 9	Ross-on-Wye ..	4·8	—	33	0	36	62·3	—	59·6	—
a Clifton	226	71	15th	43	20th	62·4	52·0	56·9	- 4·9	2	0·35	9	- 10	Clifton	5·0	—	34	0	41	•	•	•	•
5. ENGLAND, S.E.																						
a Marlborough	424	72	15th	35	20th	62·7	45·3	53·5	- 4·9	2	0·41	10	- 5	Worthing ..	6·0	- 1·3	41	0	40	63·6	- 1·0	60·8	- 0·2
p Wilton Ho.*	180	72	15th	39	20th	64·6	48·0	55·8	- 4·5	1	0·45	11	- 5	Marlborough ..	3·7	- 2·1	25	0	34	59·1	•	57·0	—
a Wisley, Surrey ..	150	73	15th	40	20, 21	65·1	49·4	56·8	- 3·8	2	0·84	21	+ 9	Wilton Ho. ..	•	•	•	0	35	61·7	•	•	•
a Tunbridge Wells ..	354	73	15, 16	39	21st	66·0	48·0	56 5	- 3·9	1	1·16	29	+ 15	Wisley	4·4	- 2·0	30	2	29	61·8	- 0·9	59·3	- 1·0
a Margate	51	70	17th	44	20, 21	64·3	52·4	58·0	- 3·9	3	0·81	21	+ 10	Tunbridge Wells	4·4	- 2·3	30	0	37	60·8	- 3·8	58·4	—
														Margate	5 0	- 1·4	34	0	42	63·9	+ 1·2	62·5	+ 2·3
a Dungeness	21	69	16th	—	—	64·9	—	—	—	2	0·83	21	+ 10	Folkestone ..	7·0	—	48	•	•	•	•	56·1	—
p St. Leonards	178	69	16, 17	41	20th	65·4	51·1	57·8	- 3·5	2	1·07	27	+ 13	St. Leonards ..	7·6	+ 0·5	52	0	38	62·9	—	60·6	—
p Southampton	64	71	15th	40	20th	65·6	49·9	57·3	- 4·8	1	0·43	11	- 4	Southampton ..	4·1	- 2·7	28	0	32	•	•	•	•
a Ventnor	59	69	15, 16	46	20th	64·9	52·9	58·5	- 3·6	1	0·79	20	+ 8	Ventnor	4·8	- 2·2	33	•	•	•	•	•	•
LONDON. *a* Richmond Kew Obs.)	18	73	15th	43	20, 21	64·9	51·0	57·5	- 3·8	3	0 71	18	+ 5	Richmond ..	4·2	- 2·1	28	0	35	60·8	- 1·5	58·6	- 0·4
a Westminster	27	76	15th	42	20, 21	66·0	51·3	58·2	- 4·0	2	0·81	21	+ 8	Westminster ..	4·2	- 1·5	29	0	35	•	•	•	•
ag Greenwich	149	76	15th	41	20th	67·7	50·6	58·6	- 3·4	3	0·96	24	+ 12	Greenwich ..	4·4	- 2·5	30	1	29	•	•	•	•
a Hampstead	450	73	15th	41	20, 21	63·4	49·1	55·8	—	2	0·77	20	—	Hampstead ..	4·6	—	32	—	—	•	•	•	•
ag Camden Square ..	110	76	15th	41	21st	67·4	50·6	58·5	- 4·3	2	0·87	22	+ 9	Camden Square	—	—	—	0	39	•	•	•	•
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	61	17th	40	19th	58·1	47·1	52·3	- 5·2	4	0·92	23	0	Aspatria	2·9	- 2·2	20	0	37	55·5	- 4·1	53·9	- 1·9
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	64	16, 17	42	19th	59·4	50·0	54·4	- 3·2	4	0·51	13	- 14	Stonyhurst ..	3·6	- 1·4	24	0	36	•	•	•	•
p Blackpool	66	65	16, 17	43	19, 20	60·1	51·1	55·3	- 3·3	2	0·17	4	- 15	Blackpool ..	4·3	- 1·6	29	0	38	59·4	—	55·8	—
a Southport	37	66	17th	44	19, 20	60·0	51·7	55·6	- 3·2	3	0·16	4	- 14	Southport ..	4·3	- 1·5	29	0	35	61·5	- 1·5	61·0	- 0·2
														Hoylake ..	4·4	- 1 2	30	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	69	17th	45	19th	59·7	51·1	55·1	- 4·2	4	0·33	8	- 8	Liverpool ..	4·3	—	29	0	40	•	•	•	•
a Hawarden Bridge ..	22	71	17th	49	19, 20	62·0	53·6	57·6	- 2·5	3	0·56	14	- 1	Manchester (City)	2·8	- 1·2	19	0	33	58·7	- 2·4	58·0	- 1·8
p Manchester (Whit. Pk.)	125	69	17th	42	19th	61·4	49·6	55·2	- 4·5	4	0·46	12	- 6	Whitworth Park	2·1	- 2·1	14	•	•	•	•	•	•
b. NORTH WALES.																						
p Llandudno	16	68	17th	46	19th	60·9	52·0	56·2	- 3 5	4	1·39	35	+ 19	Llandudno ..	3·5	- 2·4	24	•	•	•	•	•	•
a Holyhead	15	62	16th	46	19th	58·7	51·1	54·7	- 3·9	3	0·35	9	- 8	Holyhead ..	2·2	—	10	0	43	•	•	•	•
a Aberdovey	60	64	15th	46	20th	60·0	52·9	56·2	—	5	0·30	8	—	Aberdovey ..	2·4	- 3·4	16	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date	Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.*		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
																		Ground Frosts.	Lowest Reading.	Mean.	Deviation from average	Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
3. *a*. SOUTH WALES.																							
a Aberystwyth	59	62	15, 16	43	20th	58·1	52·0	54·9	—	4	0·30	8	—	Aberystwyth ..	2·2	- 3·6	15	•	•	•	•	•	•
a Rhayader	757	65	17th	36	20th	58·7	47·4	52·7	—	4	0·18	5	—	Rhayader ..	4·8	—	33	1	28	•	•	•	•
a St. Ann's Head ..	149	62	15th	42	20th	58·9	52·1	55·3	- 3·5	3	0·60	15	- 2	St. Ann's Head ..	4·3	- 2·1	29	•	•	•	•	•	•
p Cardiff	202	69	15th	44	20th	62·7	50·0	56·0	- 3·6	4	0·40	10	- 12	Cardiff	4·6	—	31	0	40	61·5	-0·6	58·2	-1·2
b. ENGLAND, S.W.																							
a Bath	66	70	15th	40	20th	64·1	50·4	56·8	- 3·0	2	0·32	8	- 7	Bath	4·0	- 2·5	27	—	—	61·1	-3·3	59·9	-1·8
a Shaftesbury	722	68	15th	40	20th	61·4	48·1	54·4	- 4·4	1	0·45	11	- 4	Shaftesbury ..	•	•	•	•	•	59·9	—	57·9	—
a Arlington	613	66	17th	42	20th	59·6	50·5	54·8	- 3·1	4	0·77	20	- 7										
a Newquay	190	64	17th	52	19, 20	59·9	55·5	57·6	- 2·5	1	0·31	8	- 6	Newquay ..	4·0	- 2·7	27	—	—	61·7	—	58·8	—
a Cullompton	202	68	16th	38	20th	64·1	48·6	55·9	- 3·5	1	0·37	9	- 7	Cullompton ..	2·9	- 3·1	20	0	34	60·5	•	•	•
a Portland Bill	19	65	15, 16	49	21st	63·4	53·4	58·1	- 2·5	1	0·35	9	- 2	Weymouth ..	5·6	—	39	•	•	•	•	•	•
p Plymouth	116	70	16th	42	20th	64·0	51·1	57·2	- 3·4	1	0·15	4	- 12	Plymouth ..	3·7	- 2·9	26	0	36	61·5	-2·3	58·8	—
a Falmouth	167	66	17th	44	20th	61·3	51·4	56·1	- 3·9	1	0·24	6	- 11	Falmouth ..	3·4	- 3·7	23	0	35	63·1	—	61·9	—
9. IRELAND, N.																							
a West .. *a* Malin Head	208	62	16th	47	19th	57·0	51·0	53·8	- 3·2	5	2·17	55	+ 36	Malin Head ..	3·3	—	22	•	•	—	—	•	•
a Blacksod Point ..	37	66	16th	48	19–21	60·1	51·7	55·7	- 2·1	4	0·74	19	- 5	Mallarany ..	—	—	—	—	—	•	•	•	•
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	2·9	- 1·8	20	0	35	59·5	-1·2	56·4	-0·7
p Markree Castle ..	122	67	17th	44	20th	61·7	50·6	55·8	- 0·9	4	0·43	11	- 12										
b, East .. *p* Armagh	196	68	16th	41	19th	62·1	48·7	55·0	- 2·4	4	0·56	14	- 5	Armagh	3·0	- 1·7	20	0	31	58·5	-2·5	56·0	-2·1
a Donaghadee	39	70	16th	48	20th	61·1	50·9	55·7	- 1·8	1	0·31	8	- 10										
10. IRELAND, S.																							
p Dublin, City	47	68	16, 17	43	19, 20	62·6	50·9	56·4	- 2·9	3	0·17	4	- 13	Trinity Coll. ..	3·1	—	21	0	41	59·9	-1·1	57·4	-0·9
a Birr Castle	175	65	15–17	40	19th	61·3	49·6	54·8	- 3·0	4	0·37	10	- 11	Phœnix Park ..	3·3	- 2·2	22	1	29	•	•	•	•
a Kilkenny	195	68	15, 17	40	19th	62·9	49·7	55·9	- 2·2	3	0·22	6	- 13	Dublin City ..	•	•	•	0	38	•	•	•	•
a Waterford	137	66	17th	42	19, 21	61·4	49·3	55·0	- 4·1	1	0·35	9	- 12	Birr Castle ..	3·3	- 1·5	22	0	34	•	•	•	•
p Seskin, Carrick-on-Suir	535	68	15th	41	19th	61·4	48·7	54·7	—	3	0·31	8	—	Seskin	3·7	—	25	0	38	•	•	•	•
a Cahir	199	67	15–17	44	19th	63·1	49·6	56·0	- 2·4	2	0·31	8	—										
a Foynes	50	66	15, 17	46	19th	62·0	52·7	57·1	- 1·3	5	0·37	9	- 12										
a Cahirciveen (Val. Obs.)	30	65	16th	49	19th	61·3	53·0	56·9	- 1·8	3	0·31	8	- 18	Cahirciveen ..	5·4	+ 0·1	37	0	43	•	•	•	•
a Killarney	174	71	15th	41	19th	64·1	51·0	57·2	- 1·7	2	0·36	9	- 15	Ballinacurra ..	3·0	- 2·2	21	•	•	•	•	•	•
a Roche's Point	32	67	15th	47	19th	62·6	52·4	57·2	- 1·7	3	0·34	9	- 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	65	16, 17	52	20th	61·6	55·1	58·2	- 2·7	3	0·39	10	- 4	Scilly	4·5	- 2·7	31	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	68	15, 16	47	20th	64·6	53·3	58·6	- 4·3	1	0·31	8	- 5	St. Heliers ..	4·6	- 3·4	32	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	67	15th	49	20th	64·3	53·3	58·5	- 3·9	1	0·39	10	- 3	Guernsey† ..	5·2	- 2·8	36	0	44	62·9	-1·5	62·0	0·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 21st, 1920.

DISTRICT AND STATION.	Height.			Distribution of Wind.†										Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	130	38	0	0	330	11	20	15	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	Defective Records.	—	—	—	—	—	—	—	—	—	—	—	—	—
Aberdeen (Cup Anr.)¶ ..	153	105	52	—	—	—	—	50	90	28	0	320	10	20	10	—	—	—	—
Edinburgh	485	39	31	—	—	15	1	85	78	4	0	270	11	15	24	17	15	18	5
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	16	2	88	47	31	0	230	13	16	4	18	16	3	50
Paisley	188	81	15	—	—	—	—	23	128	17	0	240	8	15	13	16	17	8	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	18	1	53	95	19	0	350	11	18	5	19	18	3	40
South Shields	72	61	12	—	—	18	3	78	87	0	0	10	13	18	7	20	18	6	20
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	51	89	28	0	20	9	19	11	16	21	12	50
Shoeburyness	103	90	‡	—	—	—	—	16	117	35	0	240	7	18	10	13	18	9	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	7	109	52	0	250	8	18	11	12	18	11	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	13	117	38	0	—	8	19	2	13	19	2	30
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	3	113	52	0	330 } 360 }	6	{ 18 19	9 } 9 }	10	19	8	40
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	18, 20, 21	14	114	37	3	0	10	16	18	9	—	—	—	—
Southport	80	62	48	—	—	15, 18, 20, 21	14	110	40	4	0	240	12	18	4	18	18	3	50
Holyhead	60	40	‡	—	—	17, 18	8	134	21	5	0	310	14	18	5	18	18	7	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	60	87	21	0	230	10	18	10	14	19	11	40
Plymouth	185	88	2	—	—	—	—	24	113	31	0	—	8	19	17	13	19	17	15
Lyme Regis	556	61	‡	—	—	—	—	0	38	130	0	—	5	18	24	9	19	9	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	18	1	114	51	2	0	360	13	18	10	—	—	—	—
Quilty	100	40	‡‡‡‡‡	—	—	—	—	81	74	13	0	—	10	17	20	15	18	9	10
Cahirciveen (Val Obs.)	98	41		—	—	—	—	65	90	13	0	20	10	18	10	16	18	9	20
Weaver Pt.	160	30		—	—	—	—	75	92	1	0	—	10	17	13	15	19	13	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	27	104	35	2	30	7	18	18	12	19	6	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-THIRD WEEK of 1920—August 15th to August 21st, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	67	40	86·8	80·8	83·6	− 2·0	64	− 25	0	0	4	− 1	1·04	27	+ 4	2·9	−1·1	19	1016
Eastern.																			
1. SCOTLAND, EAST ...	74	33	88·2	80·6	84·2	− 2·0	71	− 25	0	0	5	+ 1	2·03	51	+ 32	3·8	−0·9	25	1016
2. ENGLAND, N.E.	73	37	89·7	82·2	85·7	− 1·9	90	− 24	0	0	3	− 1	0·58	15	0	3·7	−1·5	25	1016
3. ENGLAND, EAST ...	74	41	90·6	83·3	86·7	− 2·0	102	− 26	0	0	3	0	0·73	19	+ 7	4·1	−2.1	28	1017
4. MIDLAND COUNTIES ...	73	40	90·1	82·4	86·1	− 2·1	95	− 26	0	0	3	0	0·23	6	− 8	4·5	−1·1	30	1018
5. ENGLAND, S.E.	73	35	91·2	82·9	86·8	− 2·4	104	− 30	0	0	2	− 1	0·75	19	+ 6	5·1	−1·6	35	1018
Western.																			
6. SCOTLAND, WEST ...	65	37	88·6	81·4	84·8	− 2·0	78	− 27	0	0	4	0	1·84	47	+ 22	4·3	−0·9	29	1017
7. ENGLAND, N.W.	71	40	88·6	83·4	85·8	− 1·9	92	− 23	0	0	4	0	0·58	15	− 4	3·5	−1·8	24	1019
8. ENGLAND, S.W.	70	36	89·6	83·2	86·2	− 2·1	96	− 27	0	0	2	− 2	0·38	10	− 8	3·6	−2·7	24	1020
9. IRELAND, NORTH ...	70	40	88·9	83·2	85·8	− 1·3	92	− 15	0	0	4	− 1	0·76	19	− 2	3·0	−1·7	20	1019
10. IRELAND, SOUTH ...	71	40	89·9	83·4	86·5	− 1·3	100	− 16	0	0	3	− 1	0·31	8	− 13	3·7	−1·5	25	1022
11. ENGLISH CHANNEL ...	68	47	90·5	85·2	87·7	− 1·9	115	− 24	0	0	2	− 2	0·36	9	− 5	4·8	−3·0	33	1021

THE SEASON (Summer).—Aggregates, &c., for the Period of 12 Weeks, May 30th to August 21st, 1920.

0. SCOTLAND, NORTH ...	79	35	88·4	81·6	84·8	− 0·3	942	− 52	0	− 2	47	− 4	8·35	214	− 8	5·7	+1·2	33	1012
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·4	81·2	85·0	− 0·9	977	−132	3	+ 2	46	+ 2	8·55	215	+ 32	5·6	+0·2	33	1013
2. ENGLAND, N.E.	79	31	90·8	82·9	86·6	− 0·4	1215	− 52	0	0	44	+ 5	6·71	172	+ 13	5·3	−0·6	32	1014
3. ENGLAND, EAST ...	80	35	92·0	83·5	87·4	− 0·6	1344	− 84	0	0	38	+ 1	6·17	156	+ 11	6·1	−0·4	38	1016
4. MIDLAND COUNTIES ...	81	32	91·4	82·8	86·8	− 0·9	1250	−130	0	0	47	+10	8·37	213	+ 54	4·7	−1·3	29	1015
5. ENGLAND, S.E.	78	33	91·8	83·8	87·6	− 0·8	1363	−123	0	0	35	0	7·70	196	+ 58	5·9	−1·1	37	1018
Western.																			
6. SCOTLAND, WEST ...	80	36	89·6	82·6	85·8	− 0·6	1099	− 97	0	0	53	+ 7	11·58	294	+ 61	5·0	−0·9	30	1013
7. ENGLAND, N.W.	80	35	89·8	83·7	86·6	− 0·8	1211	− 92	0	0	52	+10	10·35	263	+ 65	4·5	−1·5	27	1015
8. ENGLAND, S.W.	75	33	90·3	83·8	86·8	− 0·9	1249	−129	0	0	48	+ 7	9·78	249	+ 62	5·0	−1·5	31	1016
9. IRELAND, NORTH ...	70	35	89·2	82·7	85·7	− 0·8	1078	−120	0	0	56	+ 4	8·39	213	− 2	4·2	−0·8	26	1013
10. IRELAND, SOUTH ...	74	35	90·1	83·4	86·5	− 0·9	1203	−131	0	0	54	+10	8·76	224	+ 13	4·6	−0·9	29	1016
11. ENGLISH CHANNEL ...	73	40	90·6	85·3	87·8	− 0·6	1388	− 98	0	0	36	− 3	6·65	169	+ 23	6·8	−1·0	43	1018

THE YEAR 1920.—Aggregates, &c., for the Period of 33 Weeks, January 4th to August 21st, 1920.

0. SCOTLAND, NORTH ...	79	19	84·2	77·9	80·9	+ 0·4	1371	− 5	387	−152	155	+ 4	38·66	982	+245	4·0	+0·4	29	1008
Eastern.																			
1. SCOTLAND, EAST ...	81	19	84·9	77·5	81·0	+ 0·2	1460	− 96	456	−161	142	+13	22·06	559	+ 96	4·3	+0·1	32	1009
2. ENGLAND, N.E.	79	24	86·2	78·9	82·4	+ 0·8	1909	+147	280	−192	132	+16	18·82	481	+111	4·2	−0·4	31	1012
3. ENGLAND, EAST ...	84	20	87·4	79·3	83·2	+ 1·0	2216	+182	270	−224	116	+ 4	14·46	369	+ 18	4·8	−0·2	36	1015
4. MIDLAND COUNTIES ...	82	20	87·3	79·1	82·9	+ 0·8	2057	+ 45	263	−259	137	+26	22·03	559	+164	3·8	−0·6	28	1014
5. ENGLAND, S.E.	81	17	87·4	80·0	83·6	+ 0·8	2297	+140	166	−213	118	+10	17·47	446	+ 69	4·6	−0·6	35	1015
Western.																			
6. SCOTLAND, WEST ...	80	22	85·2	78·8	81·9	+ 0·3	1675	− 35	269	−147	165	+29	34·35	887	+214	3·6	−0·8	27	1011
7. ENGLAND, N.W.	81	22	85·8	79·8	82·7	+ 0·6	1912	+ 67	187	−195	151	+29	29·41	747	+244	3·6	−0·9	27	1013
8. ENGLAND, S.W.	78	17	86·4	80·1	83·2	+ 0·5	2066	+ 30	131	−170	146	+25	27·38	694	+154	4·0	−0·9	30	1015
9. IRELAND, NORTH ...	77	23	85·5	78·9	82·1	+ 0·1	1762	− 12	241	− 99	169	+20	25·76	655	+ 90	3·5	−0·5	26	1010
10. IRELAND, SOUTH ...	78	22	86·4	79·8	83·0	+ 0·2	2008	− 51	145	−115	162	+31	28·56	725	+133	3·8	−0·7	29	1013
11. ENGLISH CHANNEL ...	75	29	87·0	82·0	84·4	+ 0·5	2455	+133	20	− 85	120	− 5	17·86	451	+ 12	5·2	−0·7	40	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 27th August, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

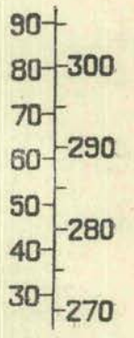
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 34.

THIRTY-FOURTH WEEK,
SUNDAY, AUGUST 22ND TO SATURDAY, AUGUST 28TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather of the United Kingdom during the week was generally of an anticyclonic type, the conditions being mostly dry, with cold northerly winds and much cloud. Moderate falls of rain, however, occurred quite early in the week over the northern parts of Ireland, over the Irish Sea and on the Welsh coast, but the precipitation in other parts of the British Islands was very small, and at many stations the week was rainless. Temperature increased towards the end of the period when the wind moderated to a light breeze, but maximum readings of 294 a were rarely recorded in any district. The minima were not low, 275 a in the screen at a few places in central Scotland and northern Ireland being the lowest value registered, with readings of about 273 a on the grass at inland stations generally. The mean temperature for the week was below the normal everywhere, the largest deviations being 2·6 a in England S.E. and 2·9 a in England E. In all parts of the British Isles the total rainfall was below the normal; heavy dew occurred on several mornings and in some places there was wet fog. Bright sunshine was less than normal over the English districts, but in Scotland E. and Ireland S. it was about normal, while in Scotland W. and Ireland N. there was an excess of 1 hr. per day; in Guernsey the percentage of the possible duration was as high as 54, while locally at Malin Head and Castlebay it was as low as 8 and 10 per cent. respectively.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	9	2·1	4	0·7	—	—	0	—	1	0·7	7	0·8	8	2·0	6	2·1
North	11	4·3	7	1·4	—	—	15	1·9	17	3·6	19	2·5	10	2·0	14	1·8
West	21	3·5	10	3·6	—	—	5	2·9	21	2·5	13	2·4	13	5·0	13	3·3
East	3	1·4	4	2·3	—	—	9	1·7	0	—	14	2·9	10	2·1	7	2·8
Calm	3	—	14	—	—	—	13	—	7	—	0	—	4	—	7	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *see below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES.												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Deficient	Very deficient	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient
Rainfall ...	Very light	Very light	Very light	Light	Very light	Very light	Very light	Light	Very light	Light	Very light	Very Light
Sunshine ...	Moderate	Moderate	Scanty	Moderate	Scanty	Moderate	Abundant	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

SUMMER. 13 weeks from May 30th, 1920. Warmth ...	1, 7, 5	1, 5, 7	3, 4, 6	4, 2, 7	1, 6, 6	1, 4, 8	1, 5, 7	1, 6, 6	1, 4, 8	1, 5, 7	0, 6, 7	2, 4, 7
Rainfall ...	2, 7, 4	4, 5, 4	2, 7, 4	4, 6, 3	5, 3, 5	5, 5, 3	5, 5, 3	8, 1, 4	6, 3, 4	2, 7, 4	4, 5, 4	6, 3, 4
Sunshine ...	6, 4, 3	4, 4, 5	2, 3, 8	2, 6, 5	0, 4, 9	0, 8, 5	2, 3, 8	1, 3, 9	1, 5, 7	3, 2, 8	1, 5, 7	2, 5, 6

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., ·273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29890—19) Wt. 24—561/P 25 500 8/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F	°F	°F
a. SCOTLAND, N.																							
a Lerwick	54	58	25th	42	28th	58·1	46·0	50·3	- 2·1	3	0·09	2	- 14										
p Deerness, Orkney ..	165	59	27th	44	23rd	55·9	47·3	51·3	—	3	0.04	1	- 15	Deerness ..	2·6	- 1·4	17	•	•	•	•	•	•
a Stornoway	51	64	28th	44	22nd	59·7	49·4	54·2	+ 0·2	4	0·31	8	- 14	Stornoway ..	3·9	- 0·4	27	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	57	27th	49	22, 26, 28	56·0	50·7	53·2	—	4	0·28	7	—	Castlebay ..	1·4	—	10	•	•	•	•	•	•
b. Mainland.																							
a Wick	81	61	27th	40	23rd	57·0	46·4	51·4	- 2·5	2	0·05	1	- 14										
a Strathpeffer	125	68	27th	41	23rd	63·1	48·4	55·3	- 0·2	0	0·00	0	- 14										
p Glencarron	500	63	27th	44	23, 26	58·0	46·7	52·0	- 1·9	1	0·10	3	- 36										
a Fort Augustus.. ..	68	70	27th	44	23rd	61·7	48·7	54·8	- 0·7	0	0·00	0	- 19										
p Fort William	171	72	28th	41	26th	63·1	47·6	54·9	- 2·0	3	0·05	1	- 33										
2. SCOTLAND, E.																							
a Nairn	82	70	27th	41	23rd	62·1	46·4	53·8	- 1·8	1	0·08	2	- 12	Nairn	4·0	—	27	•	•	•	•	•	•
p Gordon Castle	101	67	27th	38	23rd	61·1	47·0	53·6	- 2·2	2	0·02	1	- 17	Gordon Castle..	3·9	—	26	•	•	•	•	•	•
a Aberdeen	46	64	24, 27	43	26th	60·3	47·3	53·4	- 2·3	0	0·00	0	- 15	Aberdeen ..	4·1	- 0·7	28	0	34	•	•	53·2	-1·0
a Balmoral	930	68	27th	36	26, 27	61·6	44·0	52·3	- 0·6	2	0·05	1	- 16	Balmoral ..	•	•	•	0	34	•	•	•	•
p Crieff	432	72	27th	43	22, 26	64·6	47·4	55·5	- 1·1	1	0·01	0	- 23	Crathes	4·0	- 0·3	28	0	33	56·5	-1·0	55·1	-0·5
a Dundee	244	69	26, 27	42	22nd	64·7	46·6	55·1	- 1·5	0	0·00	0	- 18	Dundee	5·6	—	38	0	34	57·0	•	•	•
a Leith	30	69	27th	49	22, 26	63·7	51·4	57·2	- 0·5	0	0·00	0	- 15	Leith	•	•	•	0	44	•	•	•	•
p Edinburgh	441	69	27, 28	47	22nd	63·4	49·9	56·3	+ 0·2	0	0·00	0	- 15	Edinburgh ..	5·5	+ 0·8	38	0	42	•	•	•	•
a West Linton	769	67	27th	35	26th	62·3	42·4	51·8	- 1·4	2	0·05	1	—	West Linton ..	4·8	—	33	0	32	•	•	•	•
p Marchmont	498	71	27th	46	25th	65·9	49·0	56·9	+ 1·4	0	0·00	0	- 18	Marchmont ..	5·4	+ 0·7	37	•	•	•	•	•	•
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	69	28th	38	22, 26	61·9	45·3	53·1	—	3	0·30	8	—	Ford (Argyll) ..	•	•	•	1	30	56·8	—	55·4	—
p Glasgow Observatory	180	68	27th	46	26th	62·6	49·6	55·7	- 0·6	1	0·01	0·2	- 23	Glasgow.. ..	5·3	+ 1·4	37	0	36	•	•	•	•
p Renfrew	120	69	27th	41	26th	63·6	46·7	54·6	—	0	0·00	0	—	Renfrew ..	5·7	—	40	0	36	—	—	—	—
p Rothesay	200	65	26th	45	22, 26	61·1	47·6	54·0	- 2·4	4	0·19	5	- 24	Rothesay ..	5·3	—	37	0	38	56·9	—	55·0	-0·9
a Kilmarnock	90	74	28th	41	26th	64·9	47·6	55·7	+ 0·3	2	0·04	1	- 24	Kilmarnock ..	5·8	—	40	•	•	55·1	—	54·1	—
a Colmonell	170	70	28th	39	26th	63·1	46·0	54·0	- 1·5	1	0·31	8	- 16	Colmonell ..	•	•	•	0	37	•	•	•	•
p Dumfries	160	70	28th	41	23rd	65·0	46·3	55·1	- 2·0	0	0·00	0·1	- 22	Dumfries ..	6·7	—	47	0	37	57·2	-2·7	55·1	-4·2
a Eskdalemuir	794	68	27,28	39	22nd	63·7	43·7	53·1	—	0	0·00	0·1	—	Eskdalemuir ..	5·5	—	38	0	35	•	•	•	•
b. I. OF MAN p Douglas	277	64	26-28	47	24, 28	61·0	48·7	54·5	- 2·1	3	0·47	12	- 11	Douglas	6·7	+ 1·2	47	0	44	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	73	27th	45	24th	64·3	50·3	56·9	+ 0·5	1	0·01	0·2	- 21										
a Tynemouth	118	65	27th	49	26th	58·3	50·7	54·3	- 2·6	0	0·00	0	- 18	Cockle Park ..	4·0	- 0·8	28	0	40	54·6	-1·8	54·0	-1·6
p Durham	336	67	28th	42	22, 26	64·0	45·0	53·9	- 3·1	0	0·00	0	- 16	Durham ..	3·8	- 0·6	26	0	32	•	•	•	•
a North .. p Rounton	249	68	27th	42	26th	62·4	46·0	53·7	- 2·8	0	0·00	0	- 18	Rounton ..	•	•	•	0	32	56·1	•	•	•
a West Witton	605	69	27th	41	23rd	64·3	45·0	54·1	—	2	0·04	1	—	West Witton ..	•	•	•	0	36	55·0	—	53·8	—
p Scarborough	100	68	25th	49	22, 24, 26	64·1	50·9	57·1	- 1·2	0	0·00	0	- 18	Scarborough† ..	4·1	- 0·8	29	•	•	•	58 0	—	—
p York	56	69	28th	44	23rd	64·9	48·1	56·0	- 2·7	0	0·00	0	- 16	York	2·9	- 1·5	21	—	—	56·9	-2·6	56·3	-1·3
a Spurn Head	26	63	28th	45	26th	60·4	49·0	54·4	- 4·7	1	0·12	3	- 11	Spurn Head ..	•	•	•	•	42	•	•	•	•
b. South .. a Lincoln	58	69	28th	44	23rd	65·3	48·3	56·3	- 3·0	0	0·00	0	16	Lincoln	•	•	•	0	42	56·6	-3·8	56·8	-1·4
a Fulbeck	180	69	28th	42	23rd	64·6	45·7	54·6	- 4·6	0	0·00	0	- 17	Fulbeck ..	3·7	- 1·8	26	0	40	—	—	—	—
														Skegness ..	4·9	- 0·8	35	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	64	28th	46	25th	60·0	48·6	54·0	- 5·6	1	0·02	0·4	- 13	Cromer	3·4	- 2·2	24	•	•	•	•	•	•
a Little Massingham ..	280	66	28th	43	23, 27	60·6	45·4	52·5	- 6·7	1	0·02	0·4	- 18	Lit. Massingham	4·6	- 0·6	33	•	•	•	•	•	•
a Yarmouth	13	66	28th	44	25th	61·1	48·0	54·2	- 5·5	2	0·16	4	- 12	Yarmouth ..	6·1	—	43	0	44	58·4	-4·8	58·1	-3·2
a Norwich	93	68	28th	42	27th	62·0	48·4	54·8	- 5·0	1	0·20	5	- 11	Norwich ..	5·6	—	39	0	36	57·7	•	•	•
a Geldeston	37	68	28th	40	27th	63·4	46·3	54·3	- 5·3	1	0·14	4	- 10	Geldeston ..	6·0	+ 0·4	42	•	•	•	•	•	•
p Cambridge	41	72	28th	39	27th	64·7	45·9	54·7	- 5·4	1	0·04	1	- 14	Cambridge ..	6·7	+ 1·1	47	—	—	58·4	-3·6	58·6	-1·7
a Clacton-on-Sea ..	54	65	23, 28	45	27th	63·1	48·1	55·2	- 5·3	1	0·20	5	- 7	Clacton	5·4	- 0·9	38	0	42	57·6	-3·8	59·1	-1·2
a Rothamsted	424	68	28th	43	27th	62·1	47·6	54·4	- 4·5	0	0·00	0	- 16	Rothamsted ..	5·6	+ 0·1	40	0	32	56·6	•	•	•
p Tottenham	51	70	28th	44	27th	64·1	49·3	56·3	—	0	0·00	0	—	Tottenham ..	4·8	—	34	0	42	•	•	60·3	-1·5
														S'thend-on-Sea	4·7	—	33	0	42	59·7	-6·2	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	69	26th	43	23rd	63·3	47·7	55·0	- 1·9	0	0·00	0·1	- 18	Harrogate ..	3·6	- 1·4	25	0	38	54·6	-2·5	54·2	-2·1
p Sheffield	429	69	28th	48	22, 23, 26	63·1	49·6	56·0	—	1	0·12	3	—	Sheffield.. ..	1·9	- 2·9	13	0	41	55·0	-3·6	55·3	-0·8
p Buxton	987	66	28th	44	22nd	60·4	46·4	53·0	—	4	0·39	10	- 19	Buxton	2·3	—	16	0	39	54·5	-3·7	54·2	-1·4
a Worksop	56	69	28th	40	23rd	64·4	45·6	54·4	- 4·2	0	0·00	0	- 15	Worksop ..	3·3	- 1·2	23	0	35	57·1	—	55·9	—
a Nottingham	82	70	28th	42	26th	64·7	46·1	54·8	- 4·1	0	0·00	0	- 16	Nottingham ..	3·1	- 2·0	22	0	38	56·5	-3·2	57·3	-1·9
b. East .. p Birmingham, Edgbas.	535	71	28th	47	22, 23	63·1	49·4	55·8	- 2·9	4	0·26	7	- 10	Birmingham ..	2·3	- 2·1	16	0	36	53·0	-3·6	52·6	-1·2
a Raunds	203	71	28th	41	28th	65·7	46·1	55·3	- 4·5	0	0·00	0	- 17	Raunds	5·5	—	39	0	33	57·6	—	56·3	—
p Oxford	208	71	28th	44	27th	63·4	48·4	55·5	- 4·5	2	0·09	2	- 13	Oxford	4·3	- 1·4	30	0	38	•	•	•	•
														Malvern ..	4·9	—	35	0	43	58·3	—	58·2	—
a Cheadle (N. Staffs.) ..	646	70	28th	45	22, 27	61·9	48·0	54·5	- 2·7	3	0·31	8	- 14	Cheadle	•	•	•	?	?	?	?	?	?
c. West .. p Tenbury	313	74	28th	38	24th	67·6	46·6	56·5	- 1·6	2	0·18	5	- 13	Tenbury	•	•	•	0	33	58·6	—	—	—
a Hereford	291	70	28th	40	25th	66·4	46·0	55·6	- 3·4	3	0·23	6	- 10	Ross-on-Wye ..	5·6	—	40	0	36	60·5	—	59·2	—
a Clifton	228	69	27, 28	48	23, 24	66·3	51·1	58·2	- 2·9	2	0·14	4	- 19	Clifton	6·0	—	42	0	42	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	69	28th	38	27th	64·4	45·1	54·2	- 3·5	3	0·05	1	- 16	Worthing ..	5·3	- 1·4	37	0	42	59·7	-3·5	60·1	-0·9
p Wilton Ho.*	180	68	27, 28	39	24th	65·7	45·9	55·2	- 4·4	1	0·04	1	- 16	Marlborough ..	4·4	- 0·9	31	0	37	56·5	—	56·4	—
a Wisley, Surrey ..	150	70	28th	40	27th	63·9	46·7	54·8	- 5·0	2	0·10	3	- 11	Wilton Ho. ..	•	•	•	0	35	59·3	•	•	•
a Tunbridge Wells ..	354	68	28th	41	27th	63·7	46·3	54·5	- 5·3	0	0·00	0	- 15	Wisley	4·7	- 1·2	33	0	32	58·3	-3·5	58·4	-1·8
a Margate	51	63	23, 28	51	22, 23, 25	61·4	52·7	56·8	- 4·6	2	0·27	7	- 6	Tunbridge Wells	4·1	- 2·1	29	0	35	58·5	-4·7	58·7	—
														Margate	4·7	- 1·2	33	0	45	59·5	-2·8	61·4	+1·1
a Dungeness	21	66	23, 28	—	—	64·1	—	—	—	0	0·00	0	- 13	Folkestone ..	5·3	—	38	•	•	•	•	55·8	—
p St. Leonards	178	67	28th	46	23rd	64·1	49·6	56·4	- 4·4	2	0·02	1	- 14	St. Leonards ..	5·1	- 1·5	36	0	41	60·1	—	60·2	—
p Southampton	64	69	28th	43	24th	65·6	48·7	56·6	- 4·9	2	0·07	2	- 15	Southampton ..	5·1	- 1·2	36	0	35	•	•	•	•
a Ventnor	59	67	26, 28	49	22, 24	64·4	51·6	57·6	- 4·1	2	0·10	3	- 11	Ventnor	5·9	- 0·4	42	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	69	28th	45	27th	63·5	48·3	55·4	- 5·1	1	0·02	0·4	- 14	Richmond ..	4·4	- 1·3	31	0	36	57·6	-3·9	57·9	-1·1
a Westminster	27	70	28th	46	23rd	65·2	50·0	57·1	- 4·4	0	0·00	0	- 14	Westminster ..	4·4	- 0·7	31	0	35	•	•	•	•
ug Greenwich	149	72	28th	45	23, 27	65·9	48·4	56·6	- 4·5	0	0·00	0	- 12	Greenwich ..	3·8	- 2·6	27	0	34	•	•	•	•
a Hampstead	450	68	28th	45	23rd	63·0	48·3	55·2	—	0	0·00	0	—	Hampstead ..	4·5	—	32	—	—	•	•	•	•
ug Camden Square ..	110	73	28th	45	23, 27	68·1	48·1	57·5	- 4·5	0	0·00	0	- 14	Camden Square	—	—	—	0	40	•	•	•	•
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	67	28th	46	22, 23	61·7	48·3	54·6	- 2·5	2	0·10	3	- 25	Aspatria.. ..	5·2	+ 0·3	36	0	41	55·6	-3·5	53·8	-2·0
p Newton Rigg	559	—	—	—	—	—	—	—	—	0	0·00	0	- 23	Newton Rigg ..	?	?	?	—	—	55·4	-3·5	54·5	-1·9
p Stonyhurst	376	69	28th	46	23rd	62·4	49·7	55·7	- 1·5	0	0·00	0	- 33	Stonyhurst ..	3·3	- 1·4	23	0	42	•	•	•	•
p Blackpool	66	67	26th	48	27th	62·9	50·9	56·5	- 1·7	2	0·16	4	- 20	Blackpool ..	5·2	- 0·4	36	0	45	58·3	—	55·6	—
a Southport	37	64	26, 28	48	22, 27	61·6	51·0	56·0	- 2·4	3	0·21	5	- 18	Southport ..	4·3	- 1·1	30	0	41	60·3	-2·6	60·2	-0·7
														Hoylake ..	—	—	—	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	67	27th	49	22nd	61·4	52·1	56·5	- 2·4	2	0·20	5	- 15	Liverpool ..	3·6	—	25	0	45	•	•	•	•
a Hawarden Bridge ..	22	69	27th	46	22nd	63·9	50·9	57·0	- 2·6	3	0·42	11	- 7	Manchester(City)	2·1	- 1·8	14	0	44	57·3	-2·8	57·9	-2·0
p Manchester (Whit. Pk.)	120	70	28th	48	23rd	63·7	49·9	56·4	- 2·9	2	0·07	2	- 20	Whitworth Park	2·0	- 2·0	14	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno	16	64	27th	47	24th	60·9	50·4	55·3	- 4·1	1	0·80	20	0	Llandudno ..	4·6	- 0·9	32	•	•	•	•	•	•
a Holyhead ..	15	—	—	—	—	—	—	—	—	4	0·43	11	- 10	Holyhead ..	6·2	—	44	0	38	•	•	•	•
a Aberdovey	60	72	27th	51	24th	65·6	53·1	59·0	—	2	0·61	13	—	Aberdovey ..	6·1	+ 0·5	43	0	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																						
a Aberystwyth	59	65	28th	50	27, 28	61·1	52·3	56·4	—	2	0·39	10	—									
a Rhayader	757	68	26, 28	41	24th	63·3	47·3	54·8	—	1	0·11	3	—	Aberystwyth ..	5·4	- 0·1	33	•	•	•	•	•	•
a St. Ann's Head ..	149	66	27th	52	27th	62·0	53·0	57·2	- 1·6	3	0·25	6	- 15	Rhayader ..	5·1	—	36	0	34	•	•	•	•
p Cardiff	202	69	28th	46	27th	65·4	51·1	57·8	- 1·8	2	0·03	1	- 28	St. Ann's Head	5·0	- 1·0	35	•	•	•	•	•	•
														Cardiff	4·4	—	31	0	42	59·8	-1·6	58·1	-1·3
b. ENGLAND, S.W.																						
a Bath	66	70	28th	43	27th	67·0	49·9	57·9	- 1·9	1	0·09	2	- 16	Bath	5·5	- 0·6	39	—	—	60·4	-2·8	59·7	-2·0
a Shaftesbury	722	65	24, 26-28	43	24th	63·4	47·6	55·0	- 3·8	1	0·01	0·3	- 19	Shaftesbury ..	•	•	•	•	•	58·1	—	57·5	—
a Arlington	613	68	27th	45	27th	63·0	49·8	56·0	- 1·9	2	0·11	3	- 30										
a Newquay	190	66	26, 27	48	27th	62·6	52·9	57·5	- 2·4	2	0·14	4	- 14	Newquay ..	6·1	- 0·2	43	—	—	60·1	—	58·6	—
a Cullompton	202	70	25, 27	43	27th	67·7	48·7	57·6	- 1·8	1	0·10	3	- 16	Cullompton ..	4·6	- 1·0	33	0	39	59·6	•	•	•
a Portland Bill	19	64	23rd	47	22nd	62·9	53·0	57·7	- 2·9	0	0·00	0	- 14	Weymouth ..	6·6	—	47	•	•	•	•	•	•
p Plymouth	116	69	27th	47	27th	66·0	51·9	58·5	- 1·8	1	0·04	1	- 18	Plymouth ..	5·7	- 0·5	40	0	42	59·5	-3·4	58·4	—
a Falmouth	167	67	23rd	49	27th	64·1	52·1	57·7	- 2·1	2	0·04	1	- 21	Falmouth ..	6·1	- 0·5	44	0	42	62·1	—	61·2	—
9. IRELAND, N.																						
a West .. a Malin Head	208	59	28th	49	22, 27, 28	56·7	50·3	53·3	- 3·2	2	0·20	5	- 16	Malin Head ..	1·2	—	8	•	•	—	—	•	•
a Blacksod Point	37	67	28th	45	26th	62·4	50·1	55·9	- 1·4	4	0·32	8	- 20	Mallarany ..	—	—	—	—	—	•	•	•	•
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	4·8	+ 0·6	33	0	32	59·1	-1·0	56·8	-0·4
p Markree Castle ..	122	71	28th	35	26th	63·4	46·3	54·3	- 1·7	3	0·45	11	- 15										
b, East .. p Armagh	196	70	28th	41	26th	64·0	47·3	55·2	- 1·4	2	0·31	8	- 13	Armagh	5·5	+ 1·3	38	0	33	58·0	-2·1	55·9	-2·1
a Donaghadee	39	61	25, 27	45	28th	59·6	49·6	54·3	- 2·6	2	0·56	14	- 6										
10. IRELAND, S.																						
p Dublin, City	47	68	28th	46	27th	62·9	50·6	56·4	- 2·5	2	0·15	4	- 16	Trinity Coll. ..	5·5	—	39	0	41	58·1	-2·3	57·1	-1·2
a Birr Castle	175	70	27th	39	26th	63·1	47·9	55·0	- 2·4	2	0·35	9	- 15	Phœnix Park ..	6·2	+ 1·2	44	0	32	•	•	•	•
a Kilkenny	195	69	27th	44	26, 27	64·0	49·6	56·4	- 1·4	3	0·08	2	- 21	Dublin City ..	•	•	•	0	41	•	•	•	•
a Waterford	137	69	27, 28	42	22, 28	65·6	48·4	56·5	- 2·2	1	0·05	1	- 24	Birr Castle ..	3·7	- 0·8	26	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	535	68	27th	45	26th	63·7	49·9	56·4	—	2	0·12	3	—	Seskin	3·5	—	25	0	38	•	•	•	•
a Cahir	199	69	28th	45	27, 28	63·9	48·9	56·0	- 2·0	1	0·02	1	—										
a Foynes	50	67	27th	46	26, 27	63·9	51·3	57·2	- 0·9	2	0·13	3	- 22										
a Cahirciveen (Val. Obs.)	30	68	28th	50	26th	63·3	53·0	57·8	- 0·8	0	0·00	0	- 33	Cahirciveen ..	5·4	+ 0·5	38	0	45	•	•	•	•
a Killarney	174	73	27th	49	23rd	67·1	53·1	59·7	+ 1·1	1	0·01	0	- 30	Ballinacurra ..	4·4	- 0·4	31	•	•	•	•	•	•
a Roche's Point	32	68	24th	50	26, 27	63·3	53·0	57·8	- 0·9	5	0·09	2	- 23										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	67	26th	53	22nd	64·1	55·3	59·4	- 1·2	1	0·01	0·3	- 16	Scilly	5·8	- 1·0	41	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	69	28th	49	23rd	66·4	53·3	59·5	- 3·1	1	0·01	0·2	- 15	St. Heliers ..	6·8	- 0·6	48	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	70	28th	50	22nd	65·7	54·1	59·6	- 2·6	1	0·02	1	- 15	Guernsey† ..	7·6	+ 0·1	54	0	48	61·7	-2·1	61·7	-0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, August 28th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	21	2	45	108	13	0	350	11	21	12	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	76	15*	—	—	—	—	—	64	104	0	320	4	22	11	10	22	10	55
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	2	109	57	0	320	6	22	10	—	—	—	—
Edinburgh	486	39	31	—	—	—	—	10	93	65	0	270	7	25	1	9	25	1	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	3	62	103	0	360	6	22	3	11	22	2	40
Paisley	188	81	15	—	—	—	—	1	99	68	0	310	6	25	16	11	25	16	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	12	12	144	0	340	8	22	3	16	22	4	30
South Shields	72	61	12	—	—	—	—	17	37	114	0	10	10	22	7	15	22	6	30
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	—	—	65	85	18	0	320	11	22	13	17	22	12	5
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	2	84	82	0	320	6	22	16	11	22	15	40
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	6	110	52	0	—	6	22	12	10	22	11	45
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	91	77	0	230	5	26	12	10	22	14	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	46	89	33	0	290	10	22	17	—	—	—	—
Southport	80	62	48	—	—	—	—	68	81	19	0	310	11	23	10	13	23	8	15
Holyhead	60	40	‡	—	—	22, 23	3	33	70	62	0	290	12	23	1	15	23	1	15
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	49	98	21	0	90	10	28	18	13	22	12	45
Plymouth	185	88	2	—	—	—	—	7	112	49	0	—	6	23	13	11	23	10	30
Lyme Regis	556	61	‡	—	—	—	—	6	25	137	0	—	8	23	10	11	23	13	5
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	22	2	31	103	32	0	250	12	22	22	—	—	—	—
Quilty	100	40	‡	—	—	—	—	52	89	37	0	—	7	22	2	12	28	22	5
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	11	122	35	0	130	7	28	12	12	28	12	5
Weaver Pt.	160	30	‡	—	—	—	—	17	141	10	0	—	7	28	14	11	22	13	0
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	22	116	23	7	100	7	28	17	11	28	17	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer, at Falmouth Observatory. * Above tops of trees.
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FOURTH WEEK of 1920—August 22nd to August 28th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	72	40	88·4	81·7	84·8	− 0·6	79	− 8	0	0	2	− 3	0·09	2	− 21	3·3	−0·5	22	1023
Eastern.																			
1. SCOTLAND, EAST ...	72	35	90·1	81·3	85·4	− 0·7	86	− 9	0	0	1	− 3	0·03	1	− 16	4·8	+0·1	33	1023
2. ENGLAND, N.E.	73	42	90·3	82·0	85·9	− 1·4	92	− 19	0	0	1	− 3	0·01	0	− 17	3·9	−1·0	28	1023
3. ENGLAND, EAST ...	72	39	89·8	81·6	85·5	− 2·9	88	− 36	0	0	1	− 3	0·08	2	− 12	5·3	−0·3	37	1022
4. MIDLAND COUNTIES ...	74	38	91·2	81·6	86·1	− 1·7	95	− 21	0	0	2	− 2	0·12	3	− 14	3·8	−1·4	26	1023
5. ENGLAND, S.E.	70	38	90·8	82·1	86·2	− 2·6	96	− 35	0	0	2	− 2	0·07	2	− 13	4·9	−1·3	35	1023
Western.																			
6. SCOTLAND, WEST ...	74	38	90·1	81·5	85·6	− 0·9	88	− 13	0	0	2	− 3	0·19	5	− 21	6·0	+1·2	42	1024
7. ENGLAND, N.W.	70	46	89·8	83·2	86·3	− 1·2	98	− 15	0	0	2	− 2	0·25	6	− 18	4·8	−0·2	34	1024
8. ENGLAND, S.W.	70	41	91·1	83·2	86·9	− 1·2	105	− 16	0	0	1	− 3	0·08	2	− 20	5·4	−0·4	39	1024
9. IRELAND, NORTH ...	71	35	89·4	82·2	85·6	− 1·1	89	− 14	0	0	3	− 2	0·37	9	− 14	5·2	+1·0	36	1024
10. IRELAND, SOUTH ...	73	39	90·8	83·3	86·8	− 0·8	104	− 10	0	0	2	− 3	0·10	2	− 23	4·9	+0·1	35	1026
11. ENGLISH CHANNEL ...	70	49	91·6	85·3	88·3	− 1·1	123	− 14	0	0	1	− 3	0·01	1	− 15	6·7	−0·5	48	1024

THE SEASON (Summer).—Aggregates, &c., for the Period of 13 Weeks, May 30th to August 28th, 1920.

0. SCOTLAND, NORTH ...	79	35	88·4	81·6	84·8	− 0·3	1021	− 60	0	− 2	49	− 7	8·44	216	− 29	5·5	+1·1	32	1013
Eastern.																			
1. SCOTLAND, EAST ...	81	30	89·4	81·2	85·0	− 0·9	1063	−141	3	+ 2	47	− 1	8·58	216	+ 16	5·5	+0·1	33	1013
2. ENGLAND, N.E.	79	31	90·8	82·9	86·5	− 0·5	1307	− 71	0	0	45	+ 2	6·72	172	− 4	5·2	−0·6	32	1015
3. ENGLAND, EAST ...	80	35	91·8	83·3	87·3	− 0·7	1432	−120	0	0	39	− 2	6·25	158	− 1	6·1	−0·5	38	1016
4. MIDLAND COUNTIES ...	81	32	91·3	82·7	86·8	− 0·9	1345	−151	0	0	49	+ 8	8·49	216	+ 40	4·6	−1·3	29	1016
5. ENGLAND, S.E.	78	33	91·8	83·7	87·5	− 0·9	1459	−158	0	0	37	− 2	7·77	198	+ 45	5·8	−1·1	37	1017
Western.																			
6. SCOTLAND, WEST ...	80	36	89·6	82·5	85·8	− 0·6	1187	−110	0	0	55	+ 4	11·77	299	+ 40	5·1	−0·7	31	1014
7. ENGLAND, N.W.	80	35	89·8	83·6	86·5	− 0·9	1309	−107	0	0	54	+ 8	10·60	269	+ 47	4·5	−1·5	28	1015
8. ENGLAND, S.W.	75	33	90·3	83·7	86·8	− 0·9	1354	−145	0	0	49	+ 4	9·86	251	+ 42	5·0	−1·5	32	1017
9. IRELAND, NORTH ...	70	35	89·2	82·6	85·7	− 0·8	1167	−134	0	0	59	+ 2	8·76	222	− 16	4·3	−0·6	26	1014
10. IRELAND, SOUTH ...	74	35	90·2	83·4	86·5	− 0·9	1307	−141	0	0	56	+ 7	8·86	226	− 10	4·6	−0·9	29	1016
11. ENGLISH CHANNEL ...	73	40	90·7	85·3	87·8	− 0·7	1521	−112	0	0	37	− 6	6·66	170	+ 8	6·8	−1·0	44	1018

THE YEAR 1920.—Aggregates, &c., for the Period of 34 Weeks, January 4th to August 28th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·3	78·0	81·0	+ 0·3	1450	− 13	387	−152	157	+ 1	38·75	984	+224	4·0	+0·4	29	1008
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·0	77·6	81·1	+ 0·1	1546	−105	456	−161	143	+10	22·09	560	+ 80	4·3	+0·1	32	1010
2. ENGLAND, N.E.	79	24	86·3	79·0	82·5	+ 0·7	2001	+128	280	−192	133	+13	18·83	481	+ 94	4·2	−0·4	31	1013
3. ENGLAND, EAST ...	84	20	87·5	79·4	83·3	+ 0·9	2304	+146	270	−224	117	+ 1	14·54	371	+ 6	4·8	−0·2	36	1015
4. MIDLAND COUNTIES ...	82	20	87·4	79·1	82·9	+ 0·6	2152	+ 24	263	−259	139	+24	22·15	562	+150	3·8	−0·7	28	1015
5. ENGLAND, S.E.	81	17	87·5	80·1	83·7	+ 0·7	2393	+105	166	−213	120	+ 8	17·54	448	+ 56	4·6	−0·6	35	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·3	78·9	82·0	+ 0·2	1763	− 48	269	−147	167	+26	35·04	892	+193	3·7	−0·7	27	1011
7. ENGLAND, N.W.	81	22	85·9	79·9	82·8	+ 0·6	2010	+ 52	187	−195	153	+27	29·66	753	+226	3·6	−1·0	27	1013
8. ENGLAND, S.W.	78	17	86 5	80·2	83·3	+ 0·5	2171	+ 14	131	−170	147	+22	27·46	696	+134	4·1	−0·9	30	1015
9. IRELAND, NORTH ...	77	23	85·6	79·0	82·2	+ 0·1	1851	− 26	241	− 99	172	+18	26·13	664	+ 76	3·6	−0·5	26	1011
10. IRELAND, SOUTH ...	78	22	86·5	79·9	83·1	+ 0·1	2112	− 61	145	−115	164	+28	28·66	727	+110	3·8	−0·7	29	1014
11. ENGLISH CHANNEL ...	75	29	87·1	82·1	84·5	+ 0·5	2578	+119	20	− 85	121	− 8	17·87	452	− 3	5·3	−0·6	40	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 3rd September, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

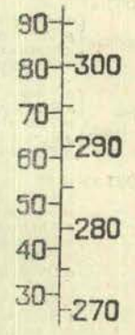
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) No. 35.

THIRTY-FIFTH WEEK, SUNDAY, AUGUST 29TH TO SATURDAY, SEPTEMBER 4TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the beginning of the week atmospheric conditions over the British Isles were anticyclonic, but as the week advanced a gradual change took place and towards the close a depression passed over our northern districts. The weather of the first few days was fair, cool and dry, with good sunshine records, especially over England, while the latter half was dull and showery, but with a considerable increase of temperature, the nights especially being very warm. The highest of the maxima occurred on Friday or Saturday, when readings of 295 were registered over the inland parts of southern England. The lowest minima were generally on Monday or Tuesday, and the values at inland stations 277a or a trifle lower. Ground frost, 272a or below, occurred over the north-east of England. Over Ireland the mean temperature for the week was 0·7a above the normal, and there was a slight excess in Scotland W., but in all other districts there was a deficit. The total rainfall was again less than the normal over the whole of the United Kingdom, many stations in the South of England having only two or three mm., but locally at Markree Castle (Ireland N.) the total for the week was 34 mm., while at Stonyhurst (Lancashire) it was 35 mm. Wet fogs were reported on two or three days, chiefly in the south-western stations. Bright sunshine was abundant in Scotland N. and moderate in England N.W., but elsewhere it was scanty or very scanty. The percentage of the possible duration ranged from 41 on the coast of North Wales to less than 10 at several stations over the eastern half of England. Solar halos were observed in many parts of Great Britain and Ireland between the 1st and 4th September, while lunar halos were seen at Ross-on-Wye on August 31st and at Oxford and Birmingham on September 1st.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	13	3·4	4	3·9	6	1·6	4	2·2	7	3·8	6	0·9	15	2·9	17	3·5
North	8	1·3	6	1·3	18	3·2	17	2·3	15	2·9	18	2·3	4	2·2	8	2·6
West	4	6·2	10	5·0	18	2·1	11	2·5	15	4·4	16	4·3	15	6·3	18	3·8
East	19	2·7	4	1·9	2	1·4	6	1·8	7	1·6	7	1·9	8	1·9	7	3·1
Calm	5	—	13	—	4	—	6	—	5	—	4	—	5	—	3	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).		DISTRICTS OF THE BRITISH ISLES.											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Deficient	Deficient	Deficient	Deficient	Deficient	Moderate	Deficient	Deficient	Unusual	Moderate	Deficient
	Rainfall ...	Light	Light	Light	Light	Light	Very light	Moderate	Moderate	Light	Moderate	Light	Light
	Sunshine ...	Abundant	Scanty	Scanty	Very scanty	Scanty	Very scanty	Moderate	Moderate	Scanty	Scanty	Scanty	Very scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 1 week from August 29th, 1920.	Warmth ...	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1	1, 0, 0	0, 1, 0	0, 0, 1
	Rainfall ...	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 1, 0	0, 0, 1	0, 0, 1
	Sunshine ...	1, 0, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1	0, 1, 0	0, 1, 0	0, 0, 1	0, 0, 1	0, 0, 1	0, 0, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(29951—19) Wt. 24– 561/P 25 500 9/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.										Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average
	Ft.	°F		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F	°F	°F
0. SCOTLAND, N.																							
a, Islands .. a Lerwick ..	54	58	2nd	44	29th	54·7	45·4	49·8	- 1·4	4	0·79	20	- 4										
p Deerness, Orkney	165	59	31st	45	29, 2	55·7	46·7	51·0	—	4	0·85	22	- 1	Deerness ..	3·3	- 0·2	23	•	•	•	•	•	•
a Stornoway ..	51	64	29, 31	46	29, 2	60·1	48·3	53·9	+ 1·2	4	0·55	14	- 18	Stornoway ..	5·3	+ 1·5	37	•	•	•	•	•	•
a Castlebay, Barra I. ..	57	62	30th	50	1st	57·6	52·4	54·9	—	5	0·35	9	—	Castlebay ..	4·3	—	30	•	•	•	•	•	•
b, Mainland. a Wick ..	81	57	4th	40	31st	54·4	46·3	50·2	- 2·4	3	0·35	9	- 12										
a Strathpeffer ..	125	63	29th	43	2nd	59·1	47·3	52·9	- 1·0	5	0·89	17	- 2										
p Glencarron ..	500	67	31st	42	2nd	59·6	47·1	53·1	+ 0·6	5	0·89	23	- 35										
a Fort Augustus..	65	60	1, 4	42	2nd	58·6	49·3	53·7	- 0·2	5	0·41	10	- 17										
p Fort William ..	171	69	29th	46	2nd	62·3	48·7	55·2	+ 0·7	5	0·81	21	- 29										
1. SCOTLAND, E.																							
a Nairn ..	82	60	29th	43	2nd	57·9	47·0	52·2	- 1·8	5	0·87	22	+ 4	Nairn ..	2·5	—	18	•	•	•	•	•	•
p Gordon Castle ..	101	65	29th	38	31st	58·9	44·7	51·5	- 2·8	3	0·53	13	- 9	Gordon Castle..	4·2	—	29	•	•	•	•	•	•
a Aberdeen ..	46	61	3, 4	41	2nd	58·0	44·1	50·7	- 3·5	2	0·30	8	- 11	Aberdeen ..	3·8	- 0·7	27	0	34	•	•	53·3	- 0·6
a Balmoral ..	930	63	29-31	37	2nd	58·1	44·3	50·9	- 0·3	3	0·50	13	- 8	Balmoral ..	•	•	•	0	36	•	•	•	•
p Crieff ..	432	61	30, 4	46	3rd	58·1	48·0	52·8	- 2·2	4	0·50	13	- 14	Crathes ..	3·4	- 0·6	24	0	37	56·7	+0·2	55·1	- 0·3
a Dundee ..	244	63	4th	40	2nd	58·4	45·4	51·6	- 3·3	3	0·56	14	- 7	Dundee ..	1·9	—	13	0	33	57·4	•	•	•
a Leith ..	30	61	4th	50	31, 2	59·1	51·3	55·0	- 1·1	4	0·21	5	- 13	Leith ..	•	•	•	0	45	•	•	•	•
p Edinburgh ..	441	60	4th	48	31, 2	57·7	49·0	53·1	- 1·5	5	0·17	4	- 14	Edinburgh ..	3·0	- 1·3	22	0	40	•	•	•	•
a West Linton ..	769	65	29th	41	30, 2	60·6	43·7	51·7	+ 0·2	5	0·56	14	—	West Linton ..	3·3	—	23	0	32	•	•	•	•
p Marchmont ..	498	63	31st	43	1st	58·7	45·9	52·0	- 1·9	2	0·17	4	- 18	Marchmont .	3·0	- 1·3	22	•	•	•	•	•	•
6. a, SCOTLAND, W.																							
a Ford (Argyll) ..	149	67	29, 30	43	30th	62·1	49·1	55·3	—	5	1·21	31	—	Ford (Argyll) ..	•	•	•	0	39	58·3	—	55·4	—
p Glasgow Observatory	180	64	30th	50	2nd	60·6	51·1	55·6	+ 0·9	5	0·86	22	- 4	Glasgow.. ..	3·4	- 0·2	24	0	42	•	•	•	•
p Renfrew ..	120	64	29, 30	47	30, 2	61·1	49·7	55·1	—	5	0·87	22	—	Renfrew ..	3·5	—	25	0	44	—	—	—	—
p Rothesay ..	200	63	29th	49	1, 2, 4	59·1	50·1	54·4	- 0·6	5	0·70	18	- 16	Rothesay ..	—	—	—	0	45	57·4	—	55·0	- 0·6
a Kilmarnock ..	90	69	29th	47	30th	63·0	50·9	56·7	+ 2·8	4	0·66	17	- 12	Kilmarnock ..	3·6	—	26	•	•	56·6	—	54·1	—
a Colmonell ..	170	69	29th	48	30th	63·0	50·7	56·6	+ 2·3	5	0·84	21	- 8	Colmonell ..	•	•	•	0	45	•	•	•	•
p Dumfries ..	160	63	30, 31	45	1st	61·4	48·9	54·9	- 0·6	4	0·46	12	- 12	Dumfries ..	3·6	—	26	0	39	58·2	- 0·4	55·7	- 3·1
a Eskdalemuir ..	794	63	31st	38	1st	59·3	44·0	51·3	—	3	0·71	18	—	Eskdalemuir ..	3·3	—	24	0	34	•	•	•	•
b, I. OF MAN p Douglas ..	277	62	29th	50	31, 1, 2	59·6	51·3	55·3	0·0	5	1·03	26	- 2	Douglas	4·5	- 0·6	32	0	46	•	•	•	•
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	65	4th	40	30th	61·6	47·0	53·7	- 1·9	2	0·19	5	- 14										
a Tynemouth ..	118	62	4th	46	30, 1	59·0	48·7	53·6	- 2·6	2	0·16	4	- 12	Cockle Park ..	4·0	- 0·7	29	0	36	54·9	+0·1	54·3	- 0·7
a Durham ..	336	64	4th	37	30th	61·6	43·6	52·2	- 3·9	4	0·24	6	- 9	Durham ..	4·4	0·0	31	2	29	•	•	•	•
a North .. p Rounton ..	249	66	4th	39	30, 31	59·3	44·3	51·4	- 4·3	4	0·39	10	- 6	Rounton ..	•	•	•	2	28	56·4	•	•	•
a West Witton ..	605	65	31st	41	30th	61·0	45·9	53·1	—	3	0·23	6	—	West Witton ..	•	•	•	0	36	55·1	—	53·4	—
p Scarborough ..	100	71	4th	48	30, 31	64·9	49·9	57·0	- 0·6	2	0·24	6	- 10	Scarborough† ..	3·2	- 1·7	23	•	•	•	•	57·7	—
p York ..	56	64	4th	40	30th	61·0	46·8	53·5	- 4·3	3	0·35	9	- 5	York	2·5	- 1·9	18	—	—	56·7	- 2·0	56·1	- 1·3
b, South .. a Spurn Head ..	26	64	4th	46	30th	59·3	49·6	54·2	- 4·2	2	0·08	2	- 10	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln ..	58	68	3, 4	40	30th	62·4	47·0	54·3	- 4·1	3	0·26	7	- 7	Lincoln	•	•	•	0	40	56·2	- 3·1	56·5	- 1·4
a Fulbeck ..	180	68	4th	40	31st	61·9	46·1	53·6	+ 4·8	3	0·33	8	- 7	Fulbeck	1·7	- 3·7	13	0	37	—	—	—	—
														Skegness ..	1·5	- 4·2	11	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer ..	196	68	4th	47	2nd	59·1	50·0	54·3	- 4·5	4	0·15	4	- 9	Cromer	0·9	- 4·8	6	•	•	•	•	•	•
a Little Massingham ..	280	66	2nd	46	31st	60·3	49·0	54·4	- 3·7	5	0·11	3	- 15	Lit. Massingham	0·9	- 4·4	7	•	•	•	•	•	•
a Yarmouth ..	13	68	4th	49	30, 2	61·3	51·7	56·3	- 2·5	5	0·25	6	- 10	Yarmouth ..	1·7	—	12	0	47	58·1	- 3·8	57·7	- 3·2
a Norwich ..	93	68	4th	47	2nd	61·1	51·9	56·3	- 2·4	4	0·36	9	- 7	Norwich ..	1·4	—	10	0	42	57·5	•	•	•
a Geldeston ..	37	69	4th	45	30, 2	62·7	49·1	55·6	- 3·0	4	0·21	5	- 10	Geldeston ..	1·8	- 4·0	13	•	•	•	•	•	•
p Cambridge ..	41	71	3rd	47	31st	63·6	51·1	57·1	- 1·9	4	0·22	6	- 8	Cambridge ..	1·4	- 4·2	10	?	?	59·1	- 1·8	58·4	- 1·6
a Clacton-on-Sea ..	54	67	4th	47	31st	62·6	50·0	56·0	- 3·5	2	0·04	1	- 11	Clacton	2·4	- 4·0	18	0	43	57·7	- 3·0	58·5	- 1·6
a Rothamsted ..	424	69	3rd	44	30, 31	61·6	48·7	54·8	- 3·0	3	0·19	5	- 11	Rothamsted ..	1·2	- 4·4	9	0	32	56·6	•	•	•
p Tottenham ..	51	70	3rd	44	30th	63·6	50·6	56·8	—	?	?	?	?	Tottenham ..	2·0	—	14	0	40	•	•	59·5	- 2·1
														S'thend-on-Sea	2·7	—	20	0	42	59·7	- 4·4	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate ..	479	63	3rd	39	30th	59·6	45·4	52·2	- 3·6	3	0·29	7	- 11	Harrogate ..	3·3	- 1·4	24	0	33	54·8	- 1·4	54·3	- 1·6
p Sheffield ..	429	64	3rd	46	1st	59·7	49·6	54·4	—	3	0·35	9	—	Sheffield.. ..	2·9	- 1·6	21	0	41	55·1	- 2·7	54·9	- 1·1
p Buxton ..	987	59	29, 31, 3	35	31st	57·7	44·4	50·7	—	4	0·61	16	- 13	Buxton	3·2	—	23	0	34	54·6	- 2·7	54·0	- 1·5
b, East .. a Worksop ..	56	68	3rd	37	30th	63·4	45·6	54·1	- 3·3	4	0·45	11	- 4	Worksop ..	1·8	- 2·5	13	0	32	56·8	—	55·8	—
a Nottingham ..	82	66	3rd	41	1st	61·1	47·3	53·9	- 3·8	4	0·20	5	- 11	Nottingham ..	2·1	- 2·7	15	0	40	56·0	- 2·5	56·8	- 2·0
p Birmingham, Edgbsn.	535	68	4th	44	31st	62·0	49·3	55·4	- 2·2	4	0·24	6	- 11	Birmingham ..	2·4	- 1·7	18	0	34	53·6	- 1·9	52·5	- 1·3
a Raunds ..	203	70	4th	43	1st	62·4	48·3	55·0	- 3·7	2	0·15	4	- 12	Raunds	1·1	—	8	0	37	57·3	—	56·1	—
p Oxford ..	208	71	3rd	42	31st	63·0	48·0	55·1	- 3·6	3	0·14	4	- 11	Oxford	3·0	- 2·4	22	0	33	•	•	•	•
														Malvern ..	3·9	—	29	0	41	59·3	—	58·2	—
c, West .. a Cheadle (N. Staffs.) ..	646	63	3rd	40	31st	60·3	46·6	53·1	- 3·0	4	0·62	16	- 6	Cheadle	•	•	•	0	38	•	•	•	•
p Tenbury ..	313	68	4th	38	30th	65·7	45·7	55·2	- 1·7	4	0·20	5	- 11	Tenbury	•	•	•	0	33	58·9	—	—	—
a Hereford ..	291	70	4th	40	1st	65·4	46·9	55·7	- 2·0	3	0·13	3	- 13	Ross-on-Wye ..	3·9	—	28	0	37	60·5	—	59·2	—
a Clifton ..	22a	68	3, 4	47	31st	65·1	50·6	57·5	- 2·4	3	0·20	5	- 17	Clifton	4·3	—	31	0	46	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough ..	424	72	3rd	38	31st	63·9	44·9	53·9	- 2·8	2	0·02	1	- 17	Worthing ..	3·9	- 2·5	29	0	41	59·3	- 2·9	59·4	- 1·4
p Wilton Ho.* ..	180	71	3rd	40	1st	64·3	46·6	55·0	- 3·5	2	0·08	2	- 17	Marlborough ..	3·0	- 2·0	22	0	36	56·6	—	56·0	—
a Wisley, Surrey ..	150	71	3rd	44	31st	63·7	49·4	56·2	- 2·5	3	0·13	3	- 13	Wilton Ho. ..	•	•	•	0	37	59·6	•	•	•
a Tunbridge Wells ..	354	72	3rd	42	31st	63·9	49·4	56·3	- 2·6	1	0·05	1	- 17	Wisley	2·2	- 3·3	16	0	34	58·6	- 2·1	57·8	- 2·0
a Margate	51	67	3, 4	52	31st	61·7	54·4	57·9	- 2·8	2	0·05	1	- 14	Tunbridge Wells	2·1	- 3·8	15	0	35	58·4	- 3·1	58·1	—
a Dungeness ..	21	65	3rd	—	—	62·9	—	—	—	2	0·09	2	- 14	Margate	1·1	- 4·6	8	0	51	59·7	- 1·6	60·5	+0·4
p St. Leonards ..	178	69	3rd	47	31st	64·1	51·6	57·6	- 2·5	2	0·08	2	- 16	Folkestone ..	2·3	—	17	•	•	•	•	55·7	—
p Southampton ..	64	71	3rd	46	30, 31	64·6	50·1	57·0	- 3·5	2	0·07	2	- 17	St. Leonards ..	3·1	- 3·1	23	0	43	59·7	—	59·4	—
a Ventnor ..	59	68	3rd	47	31st	64·9	52·4	58·4	- 2·7	3	0·13	3	- 14	Southampton ..	4·0	- 2·0	29	0	37	•	•	•	•
														Ventnor	3·6	- 2·5	27	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	71	3rd	44	30th	63·1	49·8	56·1	- 3·4	3	0·11	3	- 13	Richmond ..	2·1	- 3·3	15	0	33	57·6	- 2·8	57·4	- 1·4
a Westminster ..	27	71	3rd	48	31, 2	64·1	51·9	57·7	- 2·8	2	0·15	4	- 11	Westminster ..	1·7	- 3·2	12	0	42	•	•	•	•
ag Greenwich ..	149	72	3rd	46	30, 31	64·6	50·6	57·3	- 3·1	3	0·15	4	- 8	Greenwich ..	1·6	- 4·5	12	0	38	•	•	•	•
a Hampstead ..	450	70	3rd	44	31st	62·0	49·0	55·2	—	2	0·17	4	—	Hampstead ..	2·0	—	15	—	—	•	•	•	•
ag Camden Square ..	110	73	3rd	44	2nd	65·7	50·3	57·6	- 3·4	3	0·17	4	- 12	Camden Square	—	—	—	0	43	•	•	•	•
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	61	29th	39	31st	59·0	47·3	52·9	- 2·9	5	0·44	11	- 16	Aspatria.. ..	4·8	+ 0·3	34	0	36	56·2	- 2·0	54·1	- 1·6
p Newton Rigg ..	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	—	—	—	—	—	—	—	—	—
p Stonyhurst ..	375	69	29th	39	31st	62·3	47·4	54·5	- 1·4	5	1·37	35	+ 3	Stonyhurst ..	4·2	- 0·1	30	0	32	•	•	•	•
p Blackpool ..	66	65	29th	44	31st	61·4	49·7	55·3	- 1·7	5	1·17	30	+ 7	Blackpool ..	5·2	+ 0·2	38	0	42	57·5	—	55·5	—
a Southport ..	37	65	29th	44	30th	60·9	49·0	54·7	- 2·4	5	0·76	19	- 3	Southport ..	4·7	- 0·2	34	0	38	58·9	- 1·5	59·7	- 0·5
														Hoylake ..	5·0	+ 0·3	36	•	•	•	•	•	•
a Liverpool (Bidston) ..	188	66	29th	46	30, 31	60·7	49·4	54·8	- 2·8	5	0·67	17	- 2	Liverpool ..	4·3	—	31	0	43	•	•	•	•
a Hawarden Bridge ..	22	64	29, 3, 4	44	30th	62·6	49·3	55·6	- 2·5	5	0·54	14	- 2	Manchester(City)	2·9	- 0·7	21	0	34	56·7	- 2·2	57·6	- 2·0
p Mancnester (Whit. Pk.)	125	66	29th	40	31st	62·0	48·4	54·9	- 3·0	4	0·77	20	- 1	Whitworth Park	2·5	- 1·1	18	•	•	•	•	•	•
b. NORTH WALES.																							
p Llandudno ..	16	64	29th	45	1st	60·7	49·6	54·9	- 3·4	5	0·54	14	- 5	Llandudno ..	5·7	+ 0·7	41	•	•	•	•	•	•
a Holyhead ..	15	66	29th	50	30, 1	62·1	52·0	56·8	- 0·6	5	0·83	21	0	Holyhead ..	5·7	—	41	0	40	•	•	•	•
a Aberdovey ..	60	—	—	51	30, 31	—	53·6	—	—	4	1·00	25	—	Aberdovey ..	5·0	- 0·1	36	•	•	•	•	•	•

* The Wilton Ho station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. *a*. SOUTH WALES.																							
a Aberystwyth	59	—	—	—	—	—	—	—	—	—	—	—	—	Aberystwyth ..	—	—	—						
a Rhayader	757	66	30th	36	30th	62·6	45·9	53·9	—	4	0·23	6	—	Rhayader ..	4·2	—	31	0	31	•	•	•	•
a St. Ann's Head ..	149	63	3rd	53	29–2	60·9	54·0	57·3	- 0·6	3	0·32	8	- 15	St. Ann's Head ..	4·2	- 1·2	31	•	•	•	•	•	•
p Cardiff	203	68	3rd	45	31st	63·7	50·6	56·8	- 1·4	4	0·16	4	- 24	Cardiff	4·2	—	31	0	42	59·9	-0·4	57·9	-1·3
b. ENGLAND, S.W.																							
a Bath	66	69	3rd	41	1st	65·3	48·3	56·4	- 2·1	2	0·09	2	- 17	Bath	3·2	- 2·3	23	—	—	61·0	-1·0	59·9	-1·4
a Shaftesbury	722	66	3rd	42	31st	62·1	46·6	54·0	- 3·6	2	0·16	4	- 17	Shaftesbury ..	•	•	•	•	•	58·4	—	57·5	—
a Arlington	613	63	29,31,3,4	44	30th	62·1	49·7	55·6	- 1·2	4	1·10	28	- 7										
a Newquay	190	65	29th	46	30th	61·6	52·2	56·7	- 2·3	3	0·34	9	- 12	Newquay ..	4·3	- 1·5	32	—	—	60·2	—	58·4	—
a Cullompton	202	72	3rd	44	30, 1	66·9	49·0	57·5	- 0·6	4	0·19	5	- 5	Cullompton ..	4·4	- 0·9	32	0	38	60·0	•	•	•
a Portland Bill	19	65	3, 4	45	31st	62·6	51·4	56·7	- 3·0	1	0·04	1	- 15	Weymouth ..	4·7	—	34	•	•	•	•	•	•
p Plymouth	116	66	29,30,3,4	48	30th	64·7	52·6	58·4	- 0·9	2	0·12	3	- 18	Plymouth ..	4·3	- 1·4	31	0	41	60·4	-1·4	58·3	—
a Falmouth	167	67	3rd	47	30th	64·1	51·6	57·6	- 1·2	4	0·22	6	- 18	Falmouth ..	2·4	- 3·5	18	0	41	61·9	—	61·2	—
9. IRELAND, N.																							
a West .. *a* Malin Head	208	69	29th	50	29th	60·6	52·3	56·3	+ 0·7	5	0·47	12	- 9	Malin Head ..	4·0	—	29	•	•	•	•	•	•
a Blacksod Point ..	37	69	29, 30	49	1st	61·0	53·0	58·2	+ 1·8	4	0·67	17	- 12	Mallarany ..	—	—	—	—	—	•	•	•	•
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	2·4	- 1·3	17	0	40	59·9	+0·6	56·7	-0·4
p Markree Castle ..	122	70	29, 30	48	1st	65·0	51·6	58·0	+ 3·2	4	1·34	34	+ 8										
b. East .. *p* Armagh	196	70	30th	43	29th	64·6	48·3	56·1	+ 0·8	4	0·72	18	- 3	Armagh	3·7	- 0·1	27	0	37	58·8	-0·1	56·2	-1·5
a Donaghadee	39	65	2nd	48	29th	60·1	51·1	55·4	- 0·4	5	0·83	21	+ 2										
10. IRELAND, S.																							
p Dublin, City	47	69	29th	50	1st	63·6	53·4	58·3	+ 0·6	4	0·22	6	- 9	Trinity Coll. ..	3·5	—	25	0	41	59·1	-0·3	57·0	-1·1
a Birr Castle	175	69	29, 30	45	1st	64·4	49·7	56·7	+ 0·6	5	0·49	13	- 5	Phœnix Park ..	3·8	- 0·7	27	0	37	•	•	•	•
a Kilkenny	195	69	30th	43	29th	65·3	51·7	58·2	+ 1·6	4	0·25	6	- 11	Dublin City ..	•	•	•	0	47	•	•	•	•
a Waterford	137	69	30th	49	29th	65·1	52·1	58·3	+ 0·8	2	0·09	2	- 18	Birr Castle ..	4·0	0·0	29	0	37	•	•	•	•
p Seskin, Carrick-on-Suir	535	70	30th	47	1st	65·1	51·3	57·9	—	6	0·26	7	—	Seskin	3·7	—	27	0	41	•	•	•	•
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	69	30th	50	1, 4	64·6	52·7	58·4	+ 1·3	5	0·64	16	- 4										
a Cahirciveen (Val. Obs.)	30	69	29, 30	51	31st	63·6	54·3	58·7	+ 1·0	4	0·87	22	- 5	Cahirciveen ..	2·0	- 2·3	15	0	45	•	•	•	•
a Killarney	174	71	30th	50	1st	65·6	54·2	59·6	+ 2·0	5	0·66	17	- 7	Ballinacurra ..	3·9	- 0·4	29	•	•	•	•	•	•
a Roche's Point	32	65	3rd	53	1st	63·1	55·7	59·2	+ 1·4	3	0·17	4	- 17										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	29, 30	54	30th	63·6	55·7	59·5	- 0·2	3	0·14	4	- 13	Scilly	3·1	- 2·9	23	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	66	29th	48	1st	63·3	54·3	58·6	- 3·0	2	0·09	2	- 14	St. Heliers ..	3·4	- 3·1	25	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	66	30th	51	31, 1	64·1	54·4	59·0	- 2·3	1	0·11	3	- 14	Guernsey† ..	5·4	- 1·2	40	0	43	61·2	-1·9	61·7	-0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 4th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	3	1	39	102	26	0	160	13	3	24	—	—	—	—
1. SCOTLAND, E. Dyce	305	76	15*	—	—	—	—	11	86	71	0	270	8	4	12	20	4	14	50
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	4	4	14	109	41	0	280	14	4	13	—	—	—	—
Edinburgh	486	39	31	—	—	4	11	15	63	79	0	290	13	4	12	20	4	15	50
6. SCOTLAND, W. Eskdalemuir	825	50	22	4	1	4	6	17	82	62	0	300	17	4	14	25	4	13	0
Paisley	188	81	15	—	—	4	2	24	87	55	0	280	12	4	6	23	4	8	20
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	6	35	123	4	300	8	4	15	18	4	14	35
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	—	—	—	63	59	46	0	10	9	31	12	14	4	17	20
Shoeburyness	103	90	‡	—	—	—	—	9	139	20	—	10	7	29	13	13	29	13	25
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	—	—	1	86	81	0	290	6	4	16	12	4	16	15
5. ENGLAND, S.E. Brighton	261	53	6	—	—	—	—	10	136	22	0	—	7	4	11	11	4	10	25
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	—	115	53	0	340	5	29	7	9	4	17	10
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	1, 4	21	31	97	19	0	310	16	4	12	—	—	—	—
Southport	80	62	48	—	—	4	18	43	98	9	0	290	14	4	21	18	4	20	50
Holyhead	60	40	‡	—	—	4	3	57	69	39	0	270	13	4	8	17	4	7	40
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	—	2	2	50	91	25	0	230	12	2	15	16	4	11	20
Plymouth	185	88	2	—	—	—	—	21	86	61	0	—	8	4	16	13	4	15	30
Lyme Regis	556	61	‡	—	—	—	—	7	23	138	0	—	8	4	12	11	4	12	5
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	4	7	45	78	38	0	260	16	4	9	—	—	—	—
Quilty	100	40	‡	—	—	—	—	75	65	27	0	—	10	2	10	15	2	9	45
Cahirciveen (Val. Obs.)	98	41	‡	—	—	—	—	60	90	17	1	250	9	2	13	14	2	12	10
Weaver Pt.	160	30	‡	—	—	—	—	40	116	12	0	—	9	4	11	14	3	5	30
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	—	—	47	66	55	0	300	9	4	17	13	4	16	50

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees.
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.
¶ Tube Anemograph out of action since Feb. 5th, 1920.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-FIFTH WEEK of 1920—August 29th to September 4th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.					Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal									
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	69	40	87·7	81·6	84·5	− 0·2	75	− 4	0	0	4	− 1	0·64	16	− 16	4·3	+0·9	30	1018
Eastern.																			
1. SCOTLAND, EAST ...	65	37	87·8	80·8	84·2	− 1·0	71	− 16	0	0	4	− 1	0·44	11	− 10	2·9	−1·4	21	1019
2. ENGLAND, N.E.	71	37	89·2	81·3	85·1	− 1·7	82	− 22	0	0	3	− 1	0·25	6	− 9	2·9	−2·0	21	1020
3. ENGLAND, EAST ...	71	44	89·6	83·1	86·2	− 1·6	96	− 20	0	0	4	0	0·20	5	− 9	1·5	−4·1	11	1020
4. MIDLAND COUNTIES ...	71	37	90·1	81·6	85·6	− 1·5	89	− 19	0	0	3	− 1	0·26	7	− 10	3·0	−1·9	22	1021
5. ENGLAND, S.E.	72	38	90·7	82·9	86·6	− 1·7	102	− 21	0	0	2	− 2	0·08	2	− 15	2·8	−3·2	20	1020
Western.																			
6. SCOTLAND, WEST ..	69	43	89·3	83·2	86·1	+ 0·4	95	+ 3	0	0	5	+ 1	0·82	21	− 10	3·9	−0·5	28	1020
7. ENGLAND, N.W.	69	39	89·3	82·5	85·7	− 1·1	90	− 14	0	0	5	+ 1	0·77	20	− 3	4·9	+0·4	35	1021
8. ENGLAND, S.W.	72	36	90·5	83·0	86·6	− 0·9	101	− 12	0	0	3	+ 1	0·26	7	− 17	3·9	−1·5	28	1022
9. IRELAND, NORTH ...	70	43	90·3	83·6	86·8	+ 0·7	104	+ 9	0	0	5	0	0·75	19	− 4	3·1	−0·7	22	1020
10. IRELAND, SOUTH ...	71	43	91·0	84·7	87·7	+ 0·7	115	+ 8	0	0	4	0	0·39	10	− 10	3·4	−0·9	25	1023
11. ENGLISH CHANNEL ...	66	48	90·6	85·7	87·9	− 1·0	118	− 13	0	0	2	− 2	0·11	3	− 13	4·0	−2·5	29	1023

THE SEASON (Autumn).—Aggregates, &c., for the Period of 1 Week, August 29th to September 4th, 1920.

0. SCOTLAND, NORTH ...	69	40	87·7	81·6	84·5	− 0·2	75	− 4	0	0	4	− 1	0·64	16	− 16	4·3	+0·9	30	1018
Eastern.																			
1. SCOTLAND, EAST ...	65	37	87·8	80·8	84·2	− 1·0	71	− 16	0	0	4	− 1	0·44	11	− 10	2·9	−1·4	21	1019
2. ENGLAND, N.E.	71	37	89·2	81·3	85·1	− 1·7	82	− 22	0	0	3	− 1	0·25	6	− 9	2·9	−2·0	21	1020
3. ENGLAND, EAST ...	71	44	89·6	83·1	86·2	− 1·6	96	− 20	0	0	4	0	0·20	5	− 9	1·5	−4·1	11	1020
4. MIDLAND COUNTIES ...	71	37	90·1	81·6	85·6	− 1·5	89	− 19	0	0	3	− 1	0·26	7	− 10	3·0	−1·9	22	1021
5. ENGLAND, S.E.	72	38	90·7	82·9	86·6	− 1·7	102	− 21	0	0	2	− 2	0·08	2	− 15	2·8	−3·2	20	1020
Western.																			
6. SCOTLAND, WEST ...	69	43	89·3	83·2	86·1	+ 0·4	95	+ 3	0	0	5	+ 1	0·82	21	− 10	3·9	−0·5	28	1020
7. ENGLAND, N.W.	69	39	89·3	82·5	85·7	− 1·1	90	− 14	0	0	5	+ 1	0·77	20	− 3	4·9	+0·4	35	1021
8. ENGLAND, S.W.	72	36	90·5	83·0	86·6	− 0·9	101	− 12	0	0	3	− 1	0·26	7	− 17	3·9	−1·5	28	1022
9. IRELAND, NORTH ...	70	43	90·3	83·6	86·8	+ 0·7	104	+ 9	0	0	5	0	0·75	19	− 4	3·1	−0·7	22	1020
10. IRELAND, SOUTH ...	71	43	91·0	84·7	87·7	+ 0·7	115	+ 8	0	0	4	0	0·39	10	− 10	3·4	−0·9	25	1023
11. ENGLISH CHANNEL ...	66	48	90·6	85·7	87·9	− 1·0	118	− 13	0	0	2	− 2	0·11	3	− 13	4·0	−2·5	29	1023

THE YEAR 1920.—Aggregates, &c., for the Period of 35 Weeks, January 4th to September 4th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·4	78·1	81·1	+ 0·3	1525	− 17	387	−152	161	0	39·39	1000	+208	4·0	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·1	77·7	81·2	+ 0·1	1617	−121	456	−161	147	+ 9	22·53	571	+ 70	4·3	0·0	32	1019
2. ENGLAND, N.E.	79	24	86·4	79·1	82·6	+ 0·7	2083	+106	280	−192	136	+12	19·08	487	+ 85	4·1	−0·5	30	1013
3. ENGLAND, EAST ...	84	20	87·6	79·5	83·4	+ 0·8	2400	+126	270	−224	121	+ 1	14·74	376	− 3	4·7	−0·3	35	1015
4. MIDLAND COUNTIES ...	82	20	87·5	79·2	83·0	+ 0·6	2241	+ 5	263	−259	142	+23	22·41	569	+140	3·8	−0·7	28	1015
5. ENGLAND, S.E.	81	17	87·6	80·2	83·8	+ 0·7	2495	+ 84	166	−213	122	+ 6	17·62	450	+ 41	4·6	−0·6	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·4	79·0	82·1	+ 0·2	1858	− 45	269	−147	172	+27	35·86	913	+183	3·7	−0·7	27	1012
7. ENGLAND, N.W.	81	22	86 0	80·0	82·9	+ 0·5	2100	+ 38	187	−195	158	+28	30·43	773	+223	3·7	−0·9	27	1013
8. ENGLAND, S.W.	78	17	86·7	80·3	83·4	+ 0·4	2272	+ 2	131	−170	150	+21	27·72	703	+117	4·1	−0·9	30	1015
9. IRELAND, NORTH ...	77	23	85·8	79·2	82·3	0·0	1955	− 17	241	− 99	177	+18	26·88	683	+ 72	3·6	−0·4	26	1011
10. IRELAND, SOUTH ...	78	22	86·6	80·1	83·2	+ 0·1	2227	− 53	145	−115	168	+28	29·05	737	+100	3·8	−0·7	29	1014
11. ENGLISH CHANNEL ...	75	29	87·2	82·2	84·6	+ 0·4	2696	+106	20	− 85	123	−10	17·98	455	− 16	5·2	−0·7	40	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr	hr	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 10th September, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

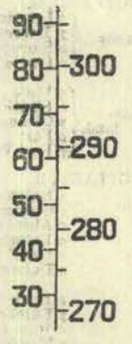
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 36.

THIRTY-SIXTH WEEK, SUNDAY, SEPTEMBER 5TH TO SATURDAY, SEPTEMBER 11TH, 1920.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over Scotland and Ireland was generally unsettled with rain on four or five days, and at some individual stations on each day. Over England conditions were mostly fair; a little rain fell on Sunday, the next two or three days were rather dull, but during the latter part of the week there was a marked improvement. Heavy dew with local mist or fog was reported, chiefly on the later days of the week. The mean temperature agreed fairly well with the normal in all districts; in Scotland N. and Scotland E. there was a slight deficit, and in Ireland a slight excess. The highest of the maxima occurred on various days, and exceeded 294a over England and Ireland generally, with readings of 296a at isolated stations; in Scotland the maxima were lower, and at many stations in the north and north-east of that country temperature did not exceed 290a on any day. The lowest minima occurred as a rule on the morning of Saturday, when readings of 275a or slightly higher were registered at several inland stations. Slight frost on the grass was recorded at Rhayader and Wisley, but these were the only two stations with a reading as low as 272a. Rainfall was in excess of the normal in Scotland N. and Scotland W. and equal to it in Scotland E., but over England and Ireland there was a deficiency; at many stations over the southern half of England the week was rainless. At stations in the west of Scotland the measurement for the 9th exceeded 20mm. Bright sunshine was below the normal in all districts, the smallest deficit being 0·4 hr. per day in the English Channel and the greatest 2·7 hr. in England N.W. There was display of aurora borealis at Aberdeen on the 8th and again on the 10th. Solar halos were observed at Aberdeen on the 8th and at Clacton-on-Sea on the 10th, while on the 10th and 11th the phenomenon was witnessed over a large part of Great Britain; the display of Saturday (11th) was very bright and unusually prolonged.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	7	5·5	19	3·2	5	1·7	7	1·7	18	3·9	4	0·7	—	—	21	3·4
North	18	3·2	3	1·7	7	2·4	5	2·1	8	1·6	16	3·8	—	—	4	1·4
West	20	6·4	27	4·6	15	3·2	13	2·7	27	4·3	16	7·4	—	—	18	3·6
East	5	1·8	0	—	1	5·2	0	—	0	—	4	0·4	—	—	4	0·6
Calm	2	—	0	—	12	—	15	—	0	—	7	—	—	—	3	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c, is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate
	Rainfall ...	Heavy	Moderate	Light	Light	Light	Very light	Moderate	Light	Very light	Moderate	Moderate	Nought
	Sunshine ...	Moderate	Scanty	Scanty	Scanty	Scanty	Scanty	Scanty	Very scanty	Scanty	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 2 weeks from August 29th, 1920.	Warmth ...	0, 2, 0	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 1, 1	0, 2, 0	0, 1, 1	0, 1, 1	1, 1, 0	1, 1 0	0 1, 1
	Rainfall ...	1, 0 1	0, 1, 1	0, 0, 2	0, 0 2	0, 0 2	0, 0, 2	0, 2, 0	0 1, 1	0, 0, 2	0, 2, 0	0, 1, 1	0, 0, 2
	Sunshine ...	1, 1, 0	0, 0, 2	0, 0, 2	0, 0, 2	0, 0, 2	0, 0 2	0, 1, 1	0, 1, 1	0, 0 2	0 0 2	0, 0, 2	0, 1, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30011—19) Wt. 24—761/P 25 500 9/20 H. St. G. 17/136

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of Rain-Days.	Rainfall in the Week.	Deviation from Normal.
	Ft.	°F.		°F		°F.	°F.	°F	°F.		in.	mm.
0. SCOTLAND, N.												
a, Islands .. *a* Lerwick	54	58	10th	40	7, 11	55·4	42·3	48·5	- 2·6	5	0·87	22
p Deerness, Orkney ..	165	61	9th	45	5th	56·0	47·6	51·6	—	4	1·42	36
a Stornoway	51	62	8th	44	7th	58·3	47·7	52·8	+ 0·4	7	1·38	35
a Castlebay, Barra I. ..	37	58	6, 8, 11	48	10th	56·9	51·3	54·0	—	7	0·55	14
b, Mainland. *a* Wick	81	61	9th	39	6th	56·9	44·0	50·1	- 2·2	3	1·34	34
a Strathpeffer	125	67	8th	42	11th	60·3	45·6	52·6	- 0·5	4	0·82	21
p Glencarron	500	61	8th	45	8, 10	57·6	47·3	52·2	+ 0·2	6	1·55	39
a Fort Augustus.. ..	60	63	8th	46	8th	59·7	48·6	53·9	+ 0·8	4	0·85	22
p Fort William	171	61	8, 10	46	10th	59·1	49·4	54·0	+ 0·1	7	1·43	36
1. SCOTLAND, E.												
a Nairn	82	64	9th	43	6th	60·4	45·4	52·5	- 1·2	4	0·48	12
p Gordon Castle	101	67	8, 9	40	6th	62·3	44·9	53·2	- 0·9	3	0·26	7
a Aberdeen	46	62	8th	41	6th	60·1	44·6	52·0	- 2·0	3	0·24	6
a Balmoral	930	68	9th	38	8th	59·1	42·7	50·5	- 0·4	6	0·62	16
p Crieff	432	63	6, 7	43	10th	60·3	45·9	52·8	- 1·8	5	0·43	11
a Dundee	244	68	6th	43	5, 8–11	62·6	43·9	52·8	- 1·8	6	0·42	11
a Leith	30	65	8th	47	10th	61·6	50·1	55·6	- 0·2	5	0·31	8
p Edinburgh	441	65	8th	46	10th	60·6	49·7	54·9	+ 0·5	4	0·29	7
a West Linton	769	62	8th	43	9, 10	57·6	45·9	51·5	+ 0·4	4	0·62	16
p Marchmont	498	67	8th	41	10th	60·6	45·4	52·6	- 1·0	5	0·47	12
6. *a*, SCOTLAND, W.												
a Ford (Argyll)	149	60	7, 8	48	10th	58·3	50·7	54·3	—	7	1·90	48
p Glasgow Observatory	180	63	9th	47	10th	59·0	50·1	54·3	- 0·2	6	1·09	28
p Renfrew	120	63	8th	47	7, 10	59·9	48·9	54·1	—	6	0·91	23
p Rothesay	200	62	8th	48	5, 6, 8	58·9	49·3	53·9	- 1·0	6	1·88	48
a Kilmarnock	90	66	8th	47	7, 10	62·3	50·1	55·9	+ 2·1	5	1·03	26
a Colmonell	170	66	9th	50	10th	61·7	52·4	56·8	+ 2·4	5	0·73	19
p Dumfries	160	65	8th	44	7th	61·9	48·3	54·4	- 0·9	3	0·25	6
a Eskdalemuir	794	63	8th	38	7th	57·7	44·0	50·5	—	6	0·61	15
b, I. OF MAN *p* Douglas	277	63	5, 8	48	10th	60·7	50·6	55·4	+ 0·1	5	0·71	18
2. ENGLAND, N.E												
a North .. *a* Alnwick Castle ..	210	69	8th	46	11th	63·4	49·1	55·9	+ 1·3	3	0·21	5
a Tynemouth	118	67	9th	47	9, 10	61·6	49·4	55·2	0·0	3	0·07	2
p Durham	336	67	6th	45	9th	63·0	47·6	54·9	- 0·2	2	0·04	1
p Rounton	249	68	8th	45	10th	64·1	48·0	55·7	+ 1·1	2	0·04	1
a West Witton	605	67	8th	44	10th	62·7	47·9	54·9	—	1	0·04	1
p Scarborough	100	71	9th	53	5, 7	65·6	55·4	60·3	+ 3·5	1	0·01	0
p York	56	68	6, 9	46	11th	65·1	49·9	57·1	+ 0·4	2	0·02	1
b, South .. *a* Spurn Head	26	71	9th	48	5th	63·4	50·4	56·6	- 1·0	0	0·00	0·1
a Lincoln	58	71	9th	46	5, 11	66·9	49·6	57·8	+ 0·5	1	0·04	1
a Fulbeck	180	70	8, 9	42	7, 11	66·0	47·1	56·1	- 1·2	2	0·05	1
3. ENGLAND, E.												
p Cromer	196	70	9th	46	11th	64·4	49·0	56·3	- 1·9	1	0·02	0·4
a Little Massingham ..	280	71	9th	42	11th	65·3	47·6	56·0	- 1·2	1	0·10	3
a Yarmouth	13	70	6, 9	46	11th	65·3	50·4	57·5	- 0·6	2	0·05	1
a Norwich	93	71	9th	41	11th	65·6	49·6	57·2	- 0·7	1	0·13	3
a Geldeston	37	72	9th	41	11th	66·9	48·7	57·4	- 0·5	2	0·18	5
p Cambridge	41	72	6th	39	11th	67·4	48·3	57·4	- 0·6	1	0·11	3
a Clacton-on-Sea ..	54	70	6th	47	11th	65·1	50·4	57·4	- 1·3	1	0·22	6
a Rothamsted	424	70	6th	39	11th	65·7	48·9	56·9	0·0	1	0·04	1
p Tottenham	51	73	6th	47	11th	67·7	53·4	60·2	—	1	0·04	1
4. MIDLAND COUNTIES.												
a North .. *a* Harrogate	479	66	8, 9	46	7, 10	63·0	48·1	55·2	+ 0·1	0	0·00	0·1
p Sheffield	429	70	9th	49	10, 11	63·7	51·9	57·5	—	0	0·00	0
p Buxton	987	66	9th	43	11th	59·7	49·1	54·2	—	2	0·61	15
b, East .. *a* Worksop	56	70	9th	44	11th	65·6	49·4	57·1	+ 0·6	0	0·00	0
a Nottingham	82	70	9th	43	11th	65·7	48·9	56·9	0·0	0	0·01	0·2
p Birmingham, Edgbsn.	535	69	6, 8	45	11th	66·7	51·1	58·5	+ 1·7	2	0·17	4
a Raunds	203	71	6, 9, 10	38	11th	69·0	48·4	58·2	+ 0·3	1	0·12	3
p Oxford	208	71	5, 6	41	11th	67·4	50·7	58·7	+ 0·9	0	0·00	0
c, West .. *a* Cheadle (N. Staffs.) ..	646	67	8th	44	10, 11	62·3	48·6	55·1	- 0·4	1	0·37	10
p Tenbury	313	71	6th	39	11th	67·7	48·4	57·6	+ 1·4	1	0·01	0
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—
a Clifton	229	68	8th	46	11th	66·3	53·0	59·3	+ 0·2	0	0·00	0
5. ENGLAND, S.E.												
a Marlborough	424	71	6th	36	11th	65·6	45·6	55·1	- 0·7	1	0·02	1
p Wilton Ho.*	180	70	6th	38	11th	67·6	47·1	56·9	- 0·6	0	0·00	0
a Wisley, Surrey ..	150	71	6, 9	37	11th	68·1	48·7	57·9	+ 0·2	0	0·00	0
a Tunbridge Wells ..	354	73	6th	41	11th	67·7	47·6	57·2	- 0·8	1	0·05	1
a Margate	51	69	6, 8	50	11th	65·1	54·0	59·3	- 0·7	1	0·09	2
a Dungeness	21	68	10th	—	—	65·1	—	—	—	1	0·04	1
p St. Leonards	178	70	6th	49	5th	66·9	52·9	59·6	+ 0·1	1	0·07	2
p Southampton	64	73	5th	41	11th	67·7	50·0	58·4	- 1·3	0	0·00	0
a Ventnor	59	69	5th	52	5, 7	67·1	54·6	60·6	+ 0·1	0	0·00	0
LONDON. *a* Richmond Kew Obs.)	18	71	6th	42	11th	67·1	50·8	58·6	+ 0·1	0	0·00	0·1
a Westminster	27	72	6, 9	44	11th	68·6	50·4	59·1	- 0·5	1	0·02	1
ag Greenwich	149	73	9th	40	11th	69·6	49·7	59·2	- 0·2	1	0·05	1
a Hampstead	450	72	6th	47	11th	66·6	51·6	58·7	—	1	0·03	1
ag Camden Square ..	110	76	6th	44	11th	70·6	51·3	60·5	+ 0·5	1	0·04	1
7. *a*, ENGLAND, N.W.												
p Aspatria (Mealsgate)	487	61	8, 9	46	9th	58·7	49·3	53·8	- 1·3	3	0·34	9
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—
p Stonyhurst	376	64	9th	48	10, 11	60·6	50·4	55·3	+ 0·1	3	0·37	10
p Blackpool	66	67	9th	49	11th	62·3	52·4	57·1	+ 0·7	4	0·22	6
a Southport	37	65	9th	48	11th	61·1	52·0	56·3	- 0·1	3	0·32	8
a Liverpool (Bidston) ..	188	65	9th	49	11th	61·4	52·4	56·7	- 0·3	1	0·20	5
a Hawarden Bridge ..	22	67	9th	48	11th	64·0	52·3	57·9	+ 0·5	3	0·19	5
p Manchester (Whit. Pk.)	125	69	9th	48	11th	63·6	52·4	57·7	+ 0·4	1	0·22	6
b, NORTH WALES.												
p Llandudno	16	64	8, 9	49	9th	62·3	52·4	57·1	- 0·7	3	0·64	16
a Holyhead	15	63	5th	51	10th	61·1	53·4	57·1	0·0	3	0·17	4
a Aberdovey	60	66	8th	50	11th	62·7	54·7	58·5	—	2	0·06	2

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average	Earth 4 ft. Mean.	Deviation from Average
	hr.	hr.	%	°F.	°F.	°F.	°F	°F	°F
Deerness ..	3·9	- 0·1	29	•	•	•	•	•	•
Stornoway ..	2·6	- 1·9	19	•	•	•	•	•	•
Castlebay ..	2·4	—	18	•	•	•	•	•	•
Nairn	3·4	—	25	•	•	•	•	•	•
Gordon Castle..	4·2	—	31	•	•	•	•	•	•
Aberdeen ..	3·7	- 1·2	27	0	31	•	•	52·9	-0·6
Balmoral ..	•	•	•	0	36	•	•	•	•
Crathes	3·7	- 0·8	27	0	32	55·3	0·0	54·9	+0·1
Dundee	2·6	—	19	0	35	55·1	•	•	•
Leith	•	•	•	0	43	•	•	•	•
Edinburgh ..	3·9	- 0·9	29	0	41	•	•	•	•
West Linton ..	2·9	—	22	0	36	•	•	•	•
Marchmont ..	3·4	—	25	•	•	•	•	•	•
Ford (Argyll) ..	•	•	•	0	39	57·4	—	55·4	—
Glasgow	3·0	- 1·0	22	0	39	•	•	•	•
Renfrew	2·7	—	20	0	37	—	—	—	—
Rothesay ..	2·3	—	17	0	41	56·3	—	55·0	0·0
Kilmarnock ..	3·3	—	25	•	•	56·0	—	54·3	—
Colmonell ..	•	•	•	0	46	•	•	•	•
Dumfries	3·5	—	26	0	34	56·4	-1·1	55·4	-2·8
Eskdalemuir ..	—	—	—	0	32	•	•	•	•
Douglas	3·6	- 2·2	27	0	44	•	•	•	•
Cockle Park ..	3·6	- 1·2	27	0	40	54·3	+0·8	54·0	-0·2
Durham	3·8	- 0·6	28	0	33	•	•	•	•
Rounton	•	•	•	0	34	56·6	•	•	•
West Witton ..	•	•	•	0	37	54·7	—	53·1	—
Scarborough† ..	2·7	- 2·3	20	•	•	•	•	57·2	—
York	3·2	- 1·3	24	—	—	56·5	-2·2	55·9	-1·2
Spurn Head ..	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	0	45	56·7	-1·5	56·0	-1·6
Fulbeck	3·3	- 2·1	25	0	38	—	—	—	—
Skegness ..	4·0	- 1·7	30	•	•	•	•	•	•
Cromer	3·2	- 2·0	24	•	•	•	•	•	•
Lit. Massingham	3·5	- 1·5	26	•	•	•	•	•	•
Yarmouth ..	4·1	—	31	0	43	53·0	-2·8	57·0	-3·4
Norwich	3·7	—	28	0	36	57·9	•	•	•
Geldeston ..	3·9	- 1·4	29	•	•	•	•	•	•
Cambridge ..	3·1	- 2·1	23	—	—	59·5	-0·2	58·2	-2·1
Clacton	3·4	- 2·5	26	0	41	58·6	-1·1	58·3	-1·4
Rothamsted ..	3·7	—	28	0	31	57·3	•	•	•
Tottenham ..	3·4	- 1·7	26	0	42	•	•	59·5	-1·7
S'thend-on-Sea	4·2	—	31	0	43	60·5	-1·7	—	—
Harrogate ..	4·0	- 0·7	30	0	41	54·5	-0·8	54·1	-1·2
Sheffield	3·6	- 0·7	27	0	40	56·1	-0·8	54·7	-1·1
Buxton	2·4	—	18	0	42	55·0	-1·2	54·0	-1·2
Worksop	2·3	- 1·9	17	0	35	56·9	—	55·4	—
Nottingham ..	3·2	- 1·4	24	0	37	57·1	-0·2	56·8	-1·4
Birmingham ..	3·1	- 0·9	23	0	33	54·8	+0·2	52·6	-1·2
Raunds	3·6	—	27	0	32	58·1	—	56·5	—
Oxford	4·2	- 1·1	31	0	35	•	•	•	•
Malvern ..	4·8	—	36	0	39	59·7	—	58·4	—
Cheadle	•	•	•	0	42	•	•	•	•
Tenbury	•	•	•	0	34	59·4	—	—	—
Ross-on-Wye ..	5·0	—	38	0	34	60·7	—	59·1	—
Clifton	4·1	—	31	0	45	•	•	•	•
Worthing ..	5·2	- 1·0	39	0	42	59·5	-1·5	59·1	-1·3
Marlborough ..	2·8	- 1·9	21	0	33	57·0	—	55·8	—
Wilton Ho. ..	•	•	•	0	34	59·8	•	•	•
Wisley	4·4	- 0·8	33	1	29	58·9	-0·6	57·8	-1·4
Tunbridge Wells	4·1	- 1·5	31	0	33	58·6	-1·4	58·0	—
Margate	3·7	- 1·8	28	0	43	60·6	+0·6	60·2	+0·7
Folkestone ..	4·3	—	33	•	•	•	•	55·4	—
St. Leonards ..	5·3	- 0·7	40	0	41	60·4	—	59·0	—
Southampton ..	4·5	- 1·3	34	0	36	•	•	•	•
Ventnor	5·6	- 0·2	43	•	•	•	•	•	•
Richmond ..	3·6	- 1·5	27	0	34	58·6	-0·6	57·2	-1·2
Westminster ..	3·9	- 0·6	29	0	36	•	•	•	•
Greenwich ..	4·2	- 1·6	31	0	34	•	•	•	•
Hampstead ..	3·6	—	27	—	—	•	•	•	•
Camden Square	—	—	—	0	38	•	•	•	•
Aspatria	2·0	- 3·1	15	0	41	55·0	-2·0	54·1	-1·4
Newton Rigg ..	—	—	—	—	—	—	—	—	—
Stonyhurst ..	2·1	- 2·7	16	0	41	•	•	•	•
Blackpool ..	2·3	- 3·2	17	0	47	57·5	—	55·2	—
Southport ..	2·2	- 3·2	16	0	44	58·9	0·0	59·0	-0·5
Hoylake ..	—	—	—	•	•	•	•	•	•
Liverpool ..	2·5	—	19	0	43	•	•	•	•
Manchester (City)	2·0	- 2·0	15	0	40	57·2	-0·5	57·0	-2·1
Whitworth Park	1·6	- 2·4	12	•	•	•	•	•	•
Llandudno ..	2·3	- 3·3	17	•	•	•	•	•	•
Holyhead ..	2·4	—	18	0	51	•	•	•	•
Aberdovey ..	3·0	- 2·8	22	•	•	•	•	•	•

*, The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
						Mean for the Week.											Grass Min.		Earth 1 ft		Earth 4 ft.	
		Highest.	Date.	Lowest.	Date	Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean.	Deviation from average.	Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																						
a Aberystwyth	59	65	8th	48	11th	62·3	55·3	58·6	—	3	0·05	1	—	Aberystwyth ..	2·8	- 2·4	21	•	•	•	•	•	•
a Rhayader	767	65	8, 9	38	11th	62·0	48·6	55·0	—	3	0·30	8	—	Rhayader ..	3·4	—	25	1	30	•	•	•	•
a St. Ann's Head	149	62	5, 8	51	10th	60·6	54·1	57·2	- 0·4	1	0·04	1	- 15	St. Ann's Head	3·6	- 1·7	27	•	•	•	•	•	•
p Cardiff	203	67	6, 8, 9	42	11th	65·1	49·6	57·0	- 1·1	0	0·00	0	- 19	Cardiff	3·9	—	29	0	36	59·8	+0·7	58·0	-0·8
b. ENGLAND, S.W.																						
a Bath	66	71	6th	41	11th	66·7	50·1	58·0	+ 0·3	0	0·00	0	- 13	Bath	3·6	- 1·8	27	—	—	60·6	-0·5	59·8	-1·1
a Shaftesbury	722	69	5th	46	7, 10	64·9	49·7	56·9	- 0·1	0	0·00	0	- 14	Shaftesbury ..	•	•	•	•	•	58·4	—	57·7	—
a Arlington	613	68	8th	41	11th	63·4	50·0	56·4	+ 0·1	2	0·10	3	- 21										
a Newquay	190	64	8, 11	44	11th	62·2	53·6	57·7	- 0·9	1	0·07	2	- 13	Newquay ..	2·7	- 3·0	21	—	—	60·5	—	58·2	—
a Cullompton	202	73	8th	37	11th	68·3	48·4	57·9	+ 0·6	1	0·02	1	- 13	Cullompton ..	4·3	- 0·9	32	0	33	60·4	•	•	•
a Portland Bill	19	67	5th	53	5, 11	65·4	55·1	60·0	+ 0·7	0	0·00	0	- 11	Weymouth ..	6·5	—	49	•	•	•	•	•	•
p Plymouth	116	69	7th	45	11th	67·6	53·7	60·3	+ 1·6	1	0·02	1	- 14	Plymouth ..	4·9	- 0·8	37	0	38	61·0	+0·5	58·3	—
a Falmouth	167	68	5th	46	11th	65·0	52·9	58·7	+ 0·4	1	0·02	0·4	- 17	Falmouth ..	4·5	- 1·4	34	0	36	62·4	—	61·0	—
9. IRELAND, N.																						
a West .. a Malin Head	208	60	7th	50	5, 10	58·1	51·7	54·8	- 0·6	5	0·35	9	- 7	Malin Head ..	2·5	—	19	•	•	•	•	•	•
a West .. a Blacksod Point ..	37	63	7th	49	10th	60·4	51·9	56·0	- 0·2	7	1·42	36	+ 14	Mallarany ..	—	—	—	—	—	—	—	—	—
a West .. a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	2·7	- 1·5	20	0	39	59·2	+0·6	56·8	-0·1
a West .. p Markree Castle ..	122	68	8th	44	10th	63·3	50·6	56·7	+ 2·3	6	0·63	16	- 4										
b. East .. p Armagh	196	67	8th	44	10th	62·7	50·6	56·4	+ 1·5	5	0·48	12	- 3	Armagh	2·2	- 2·3	16	0	41	58·5	+0·7	56·3	-0·8
b. East .. a Donaghadee ..	39	66	8th	45	10th	62·3	50·0	55·9	+ 0·4	3	0·40	10	- 4										
10. IRELAND, S.																						
p Dublin, City	47	65	5, 8, 11	46	10th	63·7	52·7	57·9	+ 0·8	4	0·39	10	- 2	Trinity Coll. ..	3·1	—	23	0	47	59·1	+0·7	57·1	0·0
a Birr Castle	175	69	8th	44	10, 11	64·3	51·0	57·3	+ 1·8	5	0·26	7	- 7	Phœnix Park ..	3·7	- 1·4	28	0	37	•	•	•	•
a Kilkenny	195	68	8th	40	10th	64·9	51·0	57·6	+ 1·6	2	0·12	3	- 11	Dublin City ..	•	•	•	0	42	•	•	•	•
a Waterford	137	70	5th	45	10th	65·7	53·1	59·1	+ 2·2	1	0·05	1	- 15	Birr Castle ..	3·9	- 0·6	29	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	535	69	7th	44	10th	64·7	50·1	57·1	—	3	0·08	2	—	Seskin	2·7	—	20	0	40	•	•	•	•
a Cahir	199	69	7th	38	10th	65·9	50·1	57·6	+ 1·3	2	0·10	3	—										
a Foynes	50	66	8, 11	48	10th	63·7	54·0	58·6	+ 2·0	5	0·33	8	- 5										
a Cahirciveen (Val. Obs.)	30	65	8, 11	47	10th	62·7	54·4	58·4	+ 1·0	4	0·43	11	- 12	Cahirciveen ..	1·8	- 3·1	13	0	43	•	•	•	•
a Killarney	174	69	7th	44	10th	65·8	55·2	60·3	+ 3·1	3	0·24	6	- 14	Ballinacurra ..	3·1	- 1·7	24	•	•	•	•	•	•
a Roche's Point	32	68	5-7	46	10th	64·9	54·1	59·2	+ 1·7	4	0·11	3	- 14										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	66	8th	53	11th	64·0	56·1	59·9	+ 0·3	0	0·00	0·1	- 14	Scilly	4·3	- 1·5	33	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	11th	48	11th	66·7	54·0	60·1	- 1·2	0	0·00	0	- 14	St. Heliers ..	6·7	+ 0·4	51	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	71	11th	51	11th	66·9	55·3	60·8	- 0·4	0	0·00	0	- 15	Guernsey† ..	6·5	+ 0·1	49	0	41	61·3	-1·1	61·2	-0·7

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 11th, 1920.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s..	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	4	7	4, 5	13	61	71	16	0	280	21	4	14	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	—	—	—	1	88	86	3	230	6	10	11	15	10	14	30
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	11	120	37	0	{290 / 300}	6	5	{1 / 14}	—	—	—	—
Edinburgh	485	39	31	—	—	11	1	72	91	4	0	200	12	11	22	16	11	22	25
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	10	1	62	69	36	0	270	11	10	9	18	9	20	15
Paisley	188	81	15	—	—	—	—	25	116	27	0	280	8	10	12	17	10	12	45
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	7	67	94	0	280	7	10	9	14	10	10	50
South Shields	72	61	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	—	—	—	19	111	38	0	320	8	10	9	13	6	13	10
Shoeburyness	103	90	‡	—	—	—	—	10	91	67	0	250	6	5	16	14	5	20	30
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	—	—	10	75	83	0	270	8	5	15	15	5	15	25
5. ENGLAND, S.E. Brighton	261	53	6	—	—	—	—	7	91	70	0	—	7	5	17	13	5	17	10
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	1	77	90	0	250	6	5	16	11	5	16	0
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	5, 6, 9, 10	21	54	73	20	0	290	13	10	8	—	—	—	—
Southport	80	62	48	—	—	5, 6, 9, 10	31	51	75	11	0	270	12	5	13	19	9	21	15
Holyhead	60	40	‡	—	—	5, 6, 9, 10	6	104	53	5	0	260	11	6	5	17	9	18	45
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	—	5	2	19	56	91	0	—	12	5	12	18	5	12	30
Plymouth	185	88	2	—	—	—	—	12	107	49	0	—	8	5	{11 / 12}	12	5	9	50
Lyme Regis	556	61	‡	—	—	—	—	4	35	129	0	—	9	5	17	13	5	16	30
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Quilty	100	40	‡	—	—	—	—	66	85	17	0	—	10	11	13	16	11	13	5
Cahirciveen (Val Obs.)	98	41	‡	—	—	—	—	60	88	20	0	190	11	11	12	16	11	11	45
Weaver Pt.	160	30	‡	—	—	—	—	49	94	25	0	—	10	11	13	14	11	13	0
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	—	—	23	52	93	0	—	8	5	11	12	5	19	0

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SIXTH WEEK of 1920—September 5th to September 11th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	67	39	87·6	81·0	84·1	− 0·6	70	− 8	0	0	5	0	1·18	30	+ 7	3·3	−0·7	24	1013
Eastern.																			
1. SCOTLAND, EAST ...	68	38	88·7	80·6	84·4	− 0·7	74	− 10	0	0	4	0	0·43	11	0	3·4	−1·3	25	1015
2. ENGLAND, N.E.	71	42	90·9	82·8	86·7	+ 0·4	102	+ 4	0	0	2	− 1	0·05	1	− 10	3·4	−1·6	26	1018
3. ENGLAND, EAST ...	73	39	91·8	82·8	87·1	− 0·2	108	− 3	0	0	1	− 2	0·10	3	− 9	3·5	−1·7	27	1019
4. MIDLAND COUNTIES ...	71	38	91·9	82·8	87·2	+ 0·5	109	+ 6	0	0	1	− 2	0·08	2	− 10	3·7	−1·1	28	1020
5. ENGLAND, S.E.	73	36	92·4	83·1	87·6	− 0·3	113	− 4	0	0	1	− 2	0·03	1	− 14	4·4	−1·3	33	1020
Western.																			
6. SCOTLAND, WEST ...	66	44	88·7	83·1	85·8	+ 0·2	91	+ 1	0	0	5	+ 1	1·08	27	+ 6	3·3	−1·7	24	1017
7. ENGLAND, N.W.	69	46	89·5	84·1	86·6	+ 0·1	102	+ 2	0	0	3	− 1	0·30	8	− 8	2·3	−2·7	17	1019
8. ENGLAND, S.W.	73	37	91·3	83·7	87·3	+ 0·1	110	+ 1	0	0	1	− 3	0·05	1	− 16	3·8	−1·5	28	1021
9. IRELAND, NORTH ...	69	44	89·6	83·6	86·4	+ 0·6	99	+ 7	0	0	5	+ 1	0·59	15	− 2	2·5	−1·9	18	1016
10. IRELAND, SOUTH ...	70	38	91·1	84·6	87·7	+ 1·0	115	+ 12	0	0	3	− 1	0·23	6	− 11	3·2	−1·7	24	1021
11. ENGLISH CHANNEL ...	71	48	91·8	85·8	88·7	− 0·1	128	− 1	0	0	0	− 3	0·00	0	− 14	5·8	−0·4	44	1023

THE SEASON (Autumn).—Aggregates, &c., for the Period of 2 Weeks, August 29th to September 11th, 1920.

0. SCOTLAND, NORTH ..	69	39	87·7	81·3	84·3	− 0·4	145	− 12	0	0	9	− 1	1·82	46	− 9	3·8	+0·1	27	1016
Eastern.																			
1. SCOTLAND, EAST ...	68	37	88·3	80·7	84·3	− 0·9	145	− 26	0	0	8	− 1	0·87	22	− 10	3·2	−1·3	23	1017
2. ENGLAND, N.E.	71	37	90·1	82·1	85·9	− 0·7	184	− 18	0	0	5	− 2	0·30	7	− 19	3·2	−1·7	23	1019
3. ENGLAND, EAST ..	73	39	90·7	83·0	86·6	− 1·0	204	− 23	0	0	5	− 2	0·30	8	− 18	2·5	−3·0	19	1020
4. MIDLAND COUNTIES ...	71	37	91·0	82·2	86·4	− 0·5	198	− 13	0	0	4	− 3	0·34	9	− 20	3·3	−1·5	25	1021
5. ENGLAND, S.E.	73	36	91·6	83·0	87·1	− 1·0	215	− 25	0	0	3	− 4	0·11	3	− 29	3·6	−2·2	27	1020
Western.																			
6. SCOTLAND, WEST ...	69	43	89·0	83·2	86·0	+ 0·3	186	+ 4	0	0	10	+ 2	1·90	48	− 4	3·6	−1·1	26	1019
7. ENGLAND, N.W.	69	39	89·4	83·3	86·2	− 0·5	192	− 12	0	0	8	0	1·07	28	− 11	3·6	−1·2	27	1020
8. ENGLAND, S.W.	73	36	90·9	83·4	87·0	− 0·4	211	− 11	0	0	4	− 4	0·31	8	− 33	3·8	−1·5	28	1022
9. IRELAND, NORTH ...	70	43	90·0	83·6	86·6	+ 0·6	203	+ 16	0	0	10	+ 1	1·34	34	− 6	2·8	−1·3	20	1018
10. IRELAND, SOUTH ...	71	38	91·1	84·7	87·7	+ 0·8	230	+ 20	0	0	7	− 1	0·62	16	− 21	3·3	−1·3	24	1022
11. ENGLISH CHANNEL ...	71	48	91·2	85·8	88·3	− 0·6	246	− 14	0	0	2	− 5	0·11	3	− 27	4·9	−1·4	37	1023

THE YEAR 1920.—Aggregates, &c., for the Period of 36 Weeks, January 4th to September 11th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·5	78·2	81·2	+ 0·3	1595	− 25	387	−152	166	0	40·57	1030	+215	4·0	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·2	77·8	81·3	+ 0·1	1691	−131	456	−161	151	+ 9	22·96	582	+ 70	4·3	0·0	31	1019
2. ENGLAND, N.E.	79	24	86·5	79·2	82·7	+ 0·6	2185	+110	280	−192	138	+11	19·13	488	+ 75	4·1	−0·5	31	1013
3. ENGLAND, EAST ...	84	20	87·7	79·6	83·5	+ 0·8	2508	+123	270	−224	122	− 1	14·84	379	− 12	4·7	−0·3	35	1015
4. MIDLAND COUNTIES ...	82	20	87·6	79·3	83·1	+ 0·6	2350	+ 11	263	−259	143	+21	22·49	571	+130	3·8	−0·7	28	1015
5. ENGLAND, S.E.	81	17	87·8	80·2	83·9	+ 0·6	2608	+ 80	166	−213	123	+ 4	17·65	451	+ 27	4·6	−0·6	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·5	79·2	82·2	+ 0·2	1949	− 44	269	−147	177	+28	36·94	940	+189	3·7	−0·7	27	1012
7. ENGLAND, N.W.	81	22	86 1	80·1	83·0	+ 0·5	2202	+ 40	187	−195	161	+27	30·73	781	+215	3·6	−1·0	27	1013
8. ENGLAND, S.W.	78	17	86·8	80·4	83·5	+ 0·4	2382	+ 3	131	−170	151	+18	27·77	704	+101	4·0	−1·0	30	1016
9. IRELAND, NORTH ...	77	23	85·9	79·3	82·4	0·0	2054	− 10	241	− 99	182	+19	27·47	698	+ 70	3·5	−0·6	26	1011
10. IRELAND, SOUTH ...	78	22	86·7	80·2	83·3	+ 0·1	2342	− 41	145	−115	171	+27	29·28	743	+ 89	3·8	−0·7	28	1014
11. ENGLISH CHANNEL ...	75	29	87·3	82·3	84·7	+ 0·4	2824	+105	20	− 85	123	−13	17·98	455	− 30	5·3	−0·6	40	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 17th September, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 37.

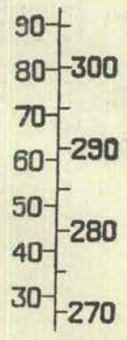
THIRTY-SEVENTH WEEK,

SUNDAY, SEPTEMBER 12TH, TO SATURDAY, SEPTEMBER 18TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first two days of the period the weather over England was very fine, but a change in the conditions was already in progress, and over the United Kingdom generally the week as a whole was unsettled, with much rain, numerous thunderstorms and occasional hail; in London on the 16th soon after noon there was a period of intense gloom. The maximum temperatures of Sunday were fairly high, but there was a decrease day by day as the week advanced, so that the readings at some stations at the close of the week were about 10 a lower than those at the beginning. The absolute highest was 297 a which occurred at many inland stations over the southern half of England on the 12th. At some of the Scottish stations late in the week temperature did not rise above 282 a. The lowest of the minima were registered about the middle of the week; on the 16th at Balmoral and West Linton the thermometer in the screen went down to 272 a and that on the grass to 270 a. The mean temperature for the week was below the normal generally, the deficit being 1·3 a in Scotland north and Scotland east, but only 0·1 a in England north-east; in the English Channel it was normal. Except in Scotland north, where the total rainfall was just normal, there was an excess in all parts of the British Isles; in most of the English districts the aggregate exceeded the normal by more than 20mm. Individual falls of 20mm. and more in a day were numerous, the following being some of the larger measurements: on the 14th at Ford (Argyll) 20mm., at Rhayader 20mm., at Aberdovey 27mm. and at Aberystwyth 34mm.; on the 17th at Crathes 26mm. and at Arlington (Barnstaple) 39mm. and on the 18th at Strathpeffer 28mm. and at Gordon Castle 45mm. Bright sunshine was more than the normal over Ireland and in Scotland north, deficient elsewhere; over the eastern section the shortage was between 1hr. and 1·6 hr. per day. Aurora was observed at Aberdeen and Fort William on the night of the 13th. Solar halos were seen very frequently in different parts of the country, at Oxford the phenomenon occurred every day except Monday.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	4·9	14	3·0	18	5·0	16	4·1	18	4·0	15	2·2	20	3·9	19	3·8
North	4	0·7	4	1·0	2	2·2	1	1·3	5	2·1	8	2·8	3	1·5	5	4·3
West	8	2·7	18	3·6	19	3·9	16	2·0	21	3·7	21	4·5	18	4·0	19	3·5
East	7	2·6	3	1·8	1	2·8	0	—	5	4·8	3	1·2	4	3·7	6	1·1
Calm	10	—	7	—	8	—	11	—	1	—	4	—	2	—	3	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES												
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Deficient	Moderate	Moderate
Rainfall ...	Moderate	Heavy	Heavy	Very heavy	Very heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
Sunshine ...	Abundant	Scanty	Scanty	Scanty	Scanty	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 3 weeks from August 29th, 1920. Warmth ...	0, 2, 1	0, 1, 2	0, 2, 1	0, 2, 1	0, 2, 1	0, 2, 1	0, 3, 0	0, 2, 1	0, 2, 1	1, 1, 1	1, 2, 0	0, 2, 1
Rainfall ...	1, 1, 1	1, 1, 1	1, 0, 2	1, 0, 2	1, 0, 2	1, 0, 2	1, 2, 0	1, 1, 1	1, 0, 2	1, 2, 0	1, 1, 1	1, 0, 2
Sunshine ...	2, 1, 0	0, 0, 3	0, 0, 3	0, 0, 3	0, 0, 3	0, 0, 3	0, 2, 1	0, 2, 1	0, 1, 2	1, 0, 2	0, 1 2	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30075—19) Wt. 24—561/P25 500 9/20 H. St. G. 17/ 36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of Rain-Days.	Rainfall in the week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands .. a Lerwick	54	57	13th	40	18th	54·4	44·7	49·3	- 1·8	3	0·39	10	- 7										
p Deerness, Orkney ..	165	58	12, 13, 17	45	16, 17	56·0	46·7	51·1	—	6	0·56	14	- 2	Deerness ..	3·6	- 0·3	27	•	•	•	•	•	•
a Stornoway	51	58	12–14	40	16th	56·4	45·7	50·8	- 1·6	4	0·51	13	- 9	Stornoway ..	4·7	+ 0·5	36	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	58	13th	46	16th	55·7	50·1	52·8	—	7	0·69	17	—	Castlebay ..	3·5	—	27	•	•	•	•	•	•
b. Mainland. a Wick	81	62	13th	35	17, 18	56·3	42·7	49·2	- 3·1	2	0·08	2	- 12										
a Strathpeffer	125	64	13th	36	16th	58·1	41·9	49·6	- 3·5	4	1·29	33	+ 21										
p Glencarron	400	63	12th	41	17th	55·9	45·1	50·2	- 1·8	6	1·53	39	- 3										
a Fort Augustus.. ..	68	62	13th	39	16th	56·3	44·4	50·1	- 3·0	5	1·09	28	+ 9										
p Fort William	171	67	13th	41	16, 17	58·3	45·4	51·5	- 2·4	6	0·84	21	- 14										
1. SCOTLAND, E.																							
a Nairn	82	64	12, 13	33	17th	57·6	43·0	50·0	- 3·0	4	1·16	29	+ 17										
p Gordon Castle	101	67	12th	36	17th	58 1	45·1	51·3	- 2·2	4	1·95	50	+ 37	Nairn	3·1	—	24	•	•	•	•	•	•
a Aberdeen	46	64	13th	40	16th	57·3	46·6	51·7	- 1·7	5	0·91	23	+ 11	Gordon Castle..	2·7	—	21	•	•	•	•	•	•
a Balmoral	930	62	13th	30	16th	54·1	40·4	46·9	- 3·3	5	0·94	24	+ 12	Aberdeen ..	0·8	- 3 5	7	1	30	•	•	52·6	-0·4
p Crieff	432	64	13th	26	16th	58·4	44·4	51·1	- 2·8	5	0·53	13	- 2	Balmoral ..	•	•	•	2	28	•	•	•	•
a Dundee	244	68	13th	34	16th	60·6	43·3	51·5	- 2·4	6	1·28	33	+ 22	Crathes	1·8	- 2·2	14	1	29	54·9	+0·5	53·7	-0·6
														Dundee	3·0	—	24	1	28	54·3	•	•	•
a Leith	30	68	12th	40	16th	60·4	47·1	53·4	- 1·7	4	0·55	14	+ 5	Leith	•	•	•	0	33	•	•	•	•
p Edinburgh	441	64	12th	42	16th	58·6	48·3	53·2	- 0·5	4	0·72	18	+ 8	Edinburgh ..	3·5	- 0·7	27	0	32	•	•	•	•
a West Linton	769	63	12th	31	16th	57·3	42·3	49·4	- 1·0	5	0·73	19	—	West Linton ..	3·1	—	24	2	27	•	•	•	•
p Marchmont	498	63	12, 13	38	16th	59·3	45·1	51·9	- 1·0	4	0·64	16	+ 3	Marchmont .	3·3	- 0·9	26	•	•	•	•	•	•
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	69	12th	36	16th	59·2	45·3	51·9	—	7	2·06	52	—	Ford (Argyll) ..	•	•	•	0	31	55·9	—	55·4	—
p Glasgow Observatory	180	63	12th	42	16th	57·4	47·4	52·2	- 1·4	7	0·98	25	+ 11	Glasgow	2·9	- 0·8	22	0	31	•	•	•	•
p Renfrew	120	—	—	—	—	—	—	—	—	—	—	—	—	Renfrew	—	—	—	0	31	—	—	—	—
p Rothesay	200	63	15th	40	15th	59·0	45·6	52·0	- 2·1	6	1·44	37	+ 18	Rothesay ..	3·9	—	30	0	35	55·3	—	54·8	+0·4
a Kilmarnock	90	66	12th	40	16th	60·9	47·0	53·6	+ 0·6	6	1·11	28	+ 13	Kilmarnock ..	4·6	—	35	•	•	55·2	—	54·3	—
a Colmonell	170	64	13th	40	16th	60·6	48·1	54·1	+ 0·4	6	0·60	15	- 1	Colmonell ..	•	•	•	0	36	•	•	•	•
p Dumfries	160	64	13th	38	16th	59·3	45·6	52·1	- 2·2	6	1·34	34	+ 22	Dumfries ..	3·7	—	28	0	33	55·1	-1·0	55·0	-2·5
a Eskdalemuir	794	63	13th	33	14th	57·4	41·9	49·3	—	5	1·19	30	—	Eskdalemuir ..	3·5	—	27	2	28	•	•	•	•
b. I. OF MAN p Douglas	277	62	12, 13	45	18th	59·6	49·3	54·2	- 0·4	5	1·11	28	+ 13	Douglas	5·5	+ 0·2	43	0	41	•	•	•	•
2. ENGLAND, N.E.																							
a North .. a Ainwick Castle ..	210	68	12th	39	16th	62·7	46·6	54·3	+ 0·6	5	1·26	32	+ 22										
a Tynemouth	118	67	12th	45	16th	60·4	47·9	53·9	- 0·5	6	0·45	11	+ 3	Cockle Park ..	4·1	- 0 6	31	0	34	53·2	+0·6	53·7	+0·2
p Durham	336	69	13, 14	38	14th	64·6	44·6	54·1	0·0	4	0·34	9	+ 2	Durham	4·0	- 0 3	31	1	28	•	•	•	•
p Rounton	249	67	12th	42	14th	61·6	46·3	53·6	- 0·1	5	0·74	19	+ 11	Rounton	•	•	•	0	32	56·0	•	•	•
a West Witton	605	69	12th	40	14th	62·0	47·4	54·4	—	3	0·65	17	—	West Witton ..	•	•	•	0	34	53·8	—	53·0	—
p Scarborough	100	71	12th	47	16, 17	65·7	50·4	57·7	+ 1·7	6	0·91	23	+ 15	Scarborough† ..	2·4	- 2·5	19	•	•	•	•	57 0	—
p York	58	68	12th	44	16th	62·7	47·7	54·8	- 0·9	6	0·67	17	+ 10	York	2·6	- 1·8	20	—	—	56·0	-0·8	55·7	-0 9
b. South .. a Spurn Head	26	67	12th	45	17th	61·9	49·6	55·5	- 1·3	6	0·75	19	+ 13	Spurn Head ..	•	•	•	•	•	•	•	•	•
a Lincoln	58	72	12th	43	14, 16	62·4	47·6	54·6	- 1·8	6	1·10	28	+ 21	Lincoln	•	•	•	0	40	55·8	-1·2	56·0	-1·1
a Fulbeck	180	72	12th	41	14, 16	63·6	47·0	54·9	- 1·5	5	0·78	20	+ 13	Fulbeck	4·4	- 0·9	34	0	38	—	—	—	—
														Skegness ..	3·9	- 1·7	30	•	•	•	•	•	•
3. ENGLAND, E.																							
p Cromer	196	72	12th	45	12, 17	63·3	48·3	55·4	- 2·2	6	0·66	17	+ 9	Cromer	4·3	- 1·1	33	•	•	•	•	•	•
a Little Massingham ..	280	72	12th	43	12th	62·7	47·6	54·8	- 1·6	6	1·44	37	+ 27	Lit. Massingham	3·8	- 1·3	29	•	•	•	•	•	•
a Yarmouth	13	67	13th	47	12th	63·3	51·1	56·9	- 0·5	5	1·38	35	+ 26	Yarmouth ..	4·6	—	36	0	43	58·0	-1·5	57·0	-2·9
a Norwich	83	72	12th	41	12th	64·7	49·6	56·8	- 0·2	6	1·09	28	+ 18	Norwich	4·2	—	33	0	36	56·9	•	•	•
a Geldeston	37	75	12th	36	12th	67·1	46·6	56·4	- 0·7	6	1·26	32	+ 23	Geldeston ..	4·3	- 1·2	34	•	•	•	•	•	•
p Cambridge	41	74	12th	37	12th	67·0	47·4	56·7	- 0·4	5	1·09	28	+ 20	Cambridge ..	3·4	- 2·0	27	1	30	58·2	-0·1	58·2	-0·7
a Clacton-on-Sea ..	54	66	12, 13	46	12th	63·1	51·3	56·9	- 1·0	6	1·70	43	+ 35	Clacton	4·5	- 1·7	35	0	40	58·7	0·0	58·6	-0·5
a Rothamsted	424	71	12th	38	12th	d2·6	47·0	54·4	- 1·6	5	0·92	23	+ 14	Rothamsted ..	4·4	- 1·0	34	2	30	55·8	•	•	•
p Tottenham	51	75	12th	42	12, 13	66·3	50·0	57·8	—	5	1·39	35	—	Tottenham ..	3·6	—	28	0	40	•	•	59·4	-1·2
														S'thend-on-Sea	4·3	—	34	0	41	60·7	0·0	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	69	12th	44	14, 16, 17	61·7	48·1	54·6	+ 0·3	4	0·54	14	+ 6	Harrogate ..	3·5	- 1·2	27	0	40	54·4	0·0	54·0	-0·7
p Sheffield	429	71	12th	44	17th	62·6	48·9	55·4	—	4	0·64	16	—	Sheffield.. ..	3·1	- 1·2	24	0	38	54·9	-0 8	54·9	-0 5
p Buxton	987	69	12th	40	16th	59·4	46·6	52·7	—	5	1·49	38	+ 24	Buxton	3·8	—	29	0	37	54·1	-0·7	54·0	-0·9
b, East .. a Worksop	56	71	12th	41	16th	64·3	47·3	55·4	- 0·2	6	0·94	24	+ 18	Worksop ..	2·8	- 1·4	22	0	35	55·5	—	55·1	—
a Nottingham	82	74	12th	42	16th	64·3	45·6	54·5	- 1·5	5	1·06	27	+ 20	Nottingham ..	3·5	- 1·0	27	0	37	55·3	-0·7	56·5	-1·0
p Birmingham, Edgbn.	535	73	13th	45	17th	62·9	48·1	55·1	- 0·9	6	1·28	32	+ 24	Birmingham ..	3·3	- 0·7	26	0	36	53·4	-0·3	52·9	-0·7
a Raunds	203	74	12th	37	12th	64·0	46·6	54·9	- 2·1	6	1·35	34	+ 28	Raunds	4·2	—	33	0	33	56·6	—	56·4	—
p Oxford	208	75	12th	43	13th	64·6	48 1	56·0	- 0·9	6	0·92	23	+ 16	Oxford	3·9	- 1·3	31	0	36	•	•	•	•
														Malvern	4·5	—	35	0	41	57·8	—	58·3	—
c, West .. a Cheadle (N. Staffs.) ..	646	69	12th	43	16th	61·3	47·7	54·2	- 0·5	4	1·36	35	+ 25	Cheadle	•	•	•	0	42	•	•	•	•
p Tenbury	313	72	12th	38	14th	64·4	43·1	53·2	- 2·1	6	1·81	46	+ 40	Tenbury	•	•	•	0	32	56·9	—	—	—
a Hereford	291	72	12th	39	12th	64·1	44·6	53·9	- 1·9	6	1·69	43	+ 36	Ross-on-Wye ..	4·3	—	34	0	33	58·3	—	58·8	—
a Clifton	228	74	12th	47	14, 16	64·7	50·1	57·1	- 1·1	5	1·78	45	+ 35	Clifton	5·0	—	39	0	43	•	•	•	•
5. ENGLAND, S.E.																							
a Marlborough	424	73	12th	36	13th	63·9	44·7	53·8	- 1·0	5	0·83	21	+ 13	Worthing	4·8	- 1·5	37	0	42	59·0	-0·6	59·0	-0·9
p Wilton Ho.* ..	180	74	12th	38	13th	64·6	46·6	55·2	- 1·3	5	0·99	25	+ 17	Marlborough ..	4·2	- 0·6	33	0	31	55·9	—	55·6	—
a Wisley, Surrey ..	150	76	12th	36	13th	66·0	47·0	56·0	- 0·7	5	1·66	42	+ 34	Wilton Ho. ..	•	•	•	0	33	58·5	•	•	•
a Tunbridge Wells ..	354	74	12, 13	39	13th	66·4	48·4	57·0	- 0·1	5	1·86	47	+ 38	Wisley	4·4	- 1·0	34	2	28	57·4	-0·7	57·3	-1·3
a Margate	51	73	13th	44	12th	65·9	53·1	59·2	0·0	5	1·33	34	+ 26	Tunbridge Wells	3·8	- 2·0	30	0	32	57·7	-0·9	57·7	—
														Margate	4·4	- 1·3	34	0	43	60·4	+1·7	60·3	+1·5
a Dungeness	21	68	12th	—	—	64·7	—	—	—	4	0·95	24	+ 16	Folkestone ..	3·7	—	29	•	•	•	•	55·3	—
p St. Leonards	178	70	13th	49	17th	64·9	53·7	59·0	+ 0·3	6	2·61	66	+ 57	St. Leonards ..	4·4	- 1·7	35	0	41	60·0	—	58·9	—
p Southampton	64	71	12th	42	13th	65·3	49·1	56·8	- 1·9	5	1·44	37	+ 28	Southampton ..	4·2	- 1·6	33	0	31	•	•	•	•
a Ventnor	59	70	12th	51	13, 14	64·1	53·6	58·6	- 1·2	5	1·53	39	+ 29	Ventnor	4·0	- 2·0	31	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	72	12th	40	13th	65·2	47·7	56·0	- 1·4	5	1·29	33	+ 26	Richmond ..	3·8	- 1·3	30	0	33	55·9	-1·9	57·2	-0·6
a Westminster	27	75	12th	44	12, 13	66·3	50·6	58·1	- 0·5	5	1·32	34	+ 27	Westminster ..	3·7	- 0·8	29	0	35	•	•	•	•
ag Greenwich	149	76	12th	39	12th	67·7	48·9	57·9	- 0·3	6	1·67	42	+ 31	Greenwich ..	4·3	- 1·1	33	0	32	•	•	•	•
a Hampstead	450	73	12th	40	12, 13	64·0	47·7	55·5	—	5	1·55	39	—	Hampstead ..	3·9	—	30	—	—	•	•	•	•
ag Camden Square ..	110	76	12th	42	12th	67·4	49·6	58·1	- 0·8	5	1·60	41	+ 34	Camden Square	—	—	—	0	39	•	•	•	•
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	65	12th	41	18th	58·7	46·7	52·4	- 2·1	5	1·60	41	+ 25	Aspatria.. ..	3·8	- 1·1	29	0	41	54·4	-1·1	54·0	-1·1
p Newton Rigg	559	65	12–14	37	14th	61·2	43·6	52·0	- 1·3	4	1·01	26	+ 13	Newton Rigg ..	4·1	- 0·5	32	—	—	—	—	—	—
p Stonyhurst	375	68	12th	41	16th	61·0	47·7	54·0	- 0·6	5	0·89	23	+ 4	Stonyhurst ..	3·8	- 0·7	29	0	38	•	•	•	•
p Blackpool	66	70	12th	46	14th	62·7	50·7	56·4	+ 0·6	6	1·01	26	+ 12	Blackpool ..	5·0	- 0·1	39	0	40	56·8	—	55·1	—
a Southport	37	71	12th	48	12, 14, 16	61·7	50·7	55·9	+ 0·1	5	0·90	23	+ 9	Southport ..	5·1	+ 0·1	39	0	40	57·9	+0·5	58·7	+0·1
														Hoylake ..	—	—	—	•	•	•	•	•	•
a Liverpool(Bidston) ..	188	71	12th	47	17, 18	61·1	48·9	54·7	- 1·7	4	0·87	22	+ 10	Liverpool ..	4·6	—	35	0	39	•	•	•	•
a Hawarden Bridge ..	22	73	12th	44	14th	62·9,	49·1	55·7	- 1·0	5	1·22	31	+ 22	Manchester(City)	3·5	- 0·3	27	0	43	56·7	+0·1	57·1	-1·3
p Mancnester (Whit. Pk.)	126	74	12th	45	17th	63·7	48·9	55·9	- 0·7	5	1·25	32	+ 20	Whitworth Park	3 4	- 0·3	27	•	•	•	•	•	•
b NORTH WALES.																							
p Llanduda	16	72	12th	46	14th	62·9	50·4	56·4	- 0·9	6	1·74	44	+ 33	Llandudno ..	4·5	- 0·7	35	•	•	•	•	•	•
a Holyhead	15	65	12th	49	18th	60·6	52·1	56·2	- 0·6	5	0·83	21	+ 8	Holyhead ..	4·2	—	33	0	44	•	•	•	•
a Aberdovey	60	73	12th	48	17th	63·1	52·0	57·3	—	5	3·31	84	—	Aberdovey ..	4·2	- 1·3	33	•	•	•	•	•	•

*The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Mean for the Week. Highest.	Date.	Lowest.	Date	Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average.	Earth 4 ft Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	59	71	12th	47	14th	61·9	51·3	56·4	—	5	2·79	71	—	Aberystwyth ..	4·3	- 1·2	33	•	•	•	•	•	•
a Rhayader	767	71	12th	39	14th	60·0	43·7	51·5	—	4	1·97	50	—	Rhayader ..	3·4	—	27	1	30	•	•	•	•
a St. Ann's Head ..	149	64	12th	51	17th	60·1	54·1	57·0	- 0·1	6	1·78	45	+ 33	St. Ann's Head	4·7	- 0·7	37	•	•	•	•	•	•
p Cardiff	202	73	12th	45	12, 16	64·7	47·4	55·6	- 0·7	4	2·01	51	+ 37	Cardiff	4·8	—	37	0	36	58·4	+0·8	58·1	-0·1
b. ENGLAND, S.W.																							
a Bath	66	75	12th	43	12, 14	65·9	47·6	56·3	- 0·5	5	0·73	19	+ 19	Bath	4·1	- 1·3	32	—	—	59·0	-1·0	59·6	-0·8
a Shaftesbury	722	71	12th	46	14th	62·6	48·7	55·3	- 0·9	5	1·01	26	+ 15	Shaftesbury ..	•	•	•	•	•	58·0	—	57·8	—
a Arlington	613	71	12th	43	14th	62·7	47·7	54·8	- 0·8	4	2·90	74	+ 58										
a Newquay	190	69	12th	47	16th	63·0	50·9	56·7	- 1·4	4	0·59	15	+ 3	Newquay ..	5·6	- 0·2	44	—	—	59·5	—	58·2	—
a Cullompton	202	75	12th	37	14th	66·9	45·9	55·9	- 0·6	5	1·07	27	+ 17	Cullompton ..	3·9	- 1·3	30	0	32	58·1	•	•	•
a Portland Bill	19	66	12, 13	53	17th	63·0	55·8	59·1	+ 0·3	5	0·99	25	+ 17	Weymouth ..	4·3	—	33	•	•	•	•	•	•
p Plymouth	116	74	12th	47	12, 14	65·0	50·1	57·2	- 0·8	5	0·93	24	+ 13	Plymouth ..	5·6	- 0·1	44	0	40	59·4	+0·1	58·5	—
a Falmouth	167	67	12, 13	49	14, 16	64·1	51·3	57·4	- 0·3	3	1·30	33	+ 20	Falmouth ..	5·9	+ 0·1	46	0	42	61·0	—	61·0	—
9. IRELAND, N.																							
a West .. a Malin Head	208	61	14th	43	16th	58·0	47·9	52·7	- 2·5	6	0·91	23	+ 11	Malin Head ..	4·6	—	35	•	•	•	•	•	•
a West .. a Blacksod Point ..	37	63	14th	45	18th	58·6	49·4	53·8	- 2·2	7	1·85	47	+ 29	Mallarany ..	4·4	—	34	0	35	—	—	•	•
a West .. a Mallarany	120	62	13th	41	18th	59·1	49·3	54·0	—	7	1·39	35	—	Markree Castle	5·0	+ 1·2	39	0	33	57·4	-0·3	56·8	+0·1
p West .. Markree Castle ..	122	66	14th	40	16, 17	59·9	45·1	52·1	- 1·9	7	0·81	21	+ 5										
b. East .. p Armagh	196	66	12, 14	38	18th	61·1	45·9	53·1	- 1·3	7	0·47	12	0	Armagh	4·2	+ 0·1	32	0	31	56·7	-0·1	56·1	-0·5
b. East .. a Donaghadee ..	39	64	12th	42	18th	60·3	47·7	53·7	- 1·5	6	0·98	25	+ 14										
10. IRELAND, S.																							
p Dublin, City	47	67	14th	45	18th	61·4	49·9	55·4	- 0·7	4	0·31	8	- 1	Trinity Coll. ..	4·8	—	37	0	34	57·6	+0·2	57·0	-0·1
a Birr Castle	175	66	12, 14	42	18th	61·4	46·9	53·8	- 0·7	7	0·75	19	+ 8	Phœnix Park ..	6·5	+ 1·6	50	0	31	•	•	•	•
a Kilkenny	195	70	12th	35	18th	63·0	44·4	53·3	- 1·7	6	0·56	14	+ 3	Dublin City ..	•	•	•	0	39	•	•	•	•
a Waterford	137	68	12, 16	42	17, 18	66·0	47·4	56·3	+ 0·3	3	1·32	34	+ 21	Birr Castle ..	4·9	+ 0·5	38	0	35	•	•	•	•
p Seskin, Carrick-on-Suir	535	66	13th	44	16, 18	60·6	47·3	53·6	—	4	0·61	16	—	Seskin	3·8	—	29	0	33	•	•	•	•
a Cahir	199	69	12th	37	17th	62·0	44·9	53·0	- 2·3	6	0·90	23	—										
a Foynes	50	65	14th	45	17, 18	60·9	49·4	54·9	- 0·9	7	0·79	20	+ 3										
a Cahirciveen (Val. Obs.)	30	64	14th	46	18th	60·3	51·6	55·7	- 0·9	6	1·77	45	+ 26	Cahirciveen ..	4·0	- 0·7	31	0	42	•	•	•	•
a Killarney	174	63	13, 14	46	18th	60·9	50·3	55·4	- 1·0	7	1·51	38	+ 21	Ballinacurra ..	3·8	- 0·8	30	•	•	•	•	•	•
a Roche's Point	32	65	12, 13	47	16, 18	60·7	50·9	55·6	- 1·1	6	1·31	33	+ 19										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	66	12th	53	18th	62·7	55·4	58·9	+ 0·1	5	0·80	20	+ 9	Scilly	6·6	+ 0·5	51	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	74	12th	49	12th	67·1	53·7	60·1	- 0·3	4	1·14	29	+ 18	St. Heliers ..	5·3	- 1·4	41	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	75	12th	53	13th	66·0	54·6	60·0	- 0·5	5	1·27	32	+ 20	Guernsey† ..	6·0	- 0·7	47	0	44	61·6	+0·1	61·3	-0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 18th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	—	14	9	38	58	63	0	150	13	14	18	—	—	—	—
1. SCOTLAND, E. Dyce	305	76	15*	—	—	—	—	2	56	110	0	150	6	14	18	14	14	18	15
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	7	102	59	0	100	8	18	7	—	—	—	—
Edinburgh	485	39	31	—	—	14	3	25	111	29	0	190	14	14	18	20	14	16	25
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	—	—	—	44	56	68	0	190	9	14	16	14	14	15	0
Paisley	188	81	15	—	—	—	—	5	113	50	0	190	8	14	16	16	14	16	15
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	—	—	—	—	51	117	0	270?	5	17	9	10	17	12	10
South Shields	72	61	12	—	—	—	—	5	83	80	0	260	7	17	10	13	17	10	0
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	—	18	1	55	83	29	0	210	11	18	10	17	18	10	15
Shoeburyness	103	90	‡	—	—	17, 18	9	69	47	43	0	200	12	18	6	17	18	8	35
4. MIDLAND COUNTIES. Benson	270	84	‡	—	—	—	—	40	70	58	0	230	10	17	15	17	18	22	30
5. ENGLAND, S.E. Brighton	261	53	6	—	—	18	1	72	49	64	0	—	11	18	8	19	18	18	15
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	66	22	—	—	—	—	26	82	60	0	210	8	17	12	17	18	23	20
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	—	17	1	55	103	9	0	240	13	17	2	—	—	—	—
Southport	80	62	48	—	—	17	5	62	97	4	0	240	13	17	3	17	17	1	25
Holyhead	60	40	‡	—	—	14, 18	3	87	71	7	0	190	11	14	14	17	14	14	55
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	18	2	14 to 18	32	50	49	35	0	250	19	18	14	27	18	13	50
Plymouth	185	88	2	—	—	16 to 18	22	65	31	25	25	—	14	17	16	20	17	6	40
Lyme Regis	556	61	‡	—	—	—	—	40	46	82	0	—	10	17	20	15	17	20	20
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	—	14	1	72	67	19	9	170	12	14	13	—	—	—	—
Quilty	100	40	‡	—	—	—	—	50	57	13	48	—	10	18	15	16	16	11	40
Cahirciveen (Val. Obs.)	98	41	‡	—	—	14	2	71	81	14	0	200	12	14	9	20	14	8	35
Weaver Pt.	160	30	‡	—	—	14	8	65	71	1	23	—	13	14	9	18	14	8	55
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	18	9	52	61	46	0	290	14	18	14	21	16	19	5

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-SEVENTH WEEK of 1920—September 12th to September 18th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	67	35	86·6	79·8	83·1	− 1·3	57	− 16	0	0	4	0	0·82	21	0	4·1	+0·3	32	1006
Eastern.																			
1. SCOTLAND, EAST ...	68	30	87·3	79·8	83·4	− 1·3	61	− 17	0	0	5	+ 2	0·93	24	+ 12	2·6	−1·6	20	1006
2. ENGLAND, N.E.	72	38	90·1	81·6	85·7	− 0·1	90	− 2	0	0	5	+ 3	0·78	20	+ 13	3·6	−1·4	28	1008
3. ENGLAND, EAST ...	75	36	91·1	82·3	86·4	− 0·4	99	− 5	0	0	6	+ 4	1·21	31	+ 22	4·1	−1·4	32	1011
4. MIDLAND COUNTIES ...	75	37	90·6	81·3	85·7	− 0·5	90	− 6	0	0	5	+ 3	1·27	32	+ 24	3·7	−1·1	29	1010
5. ENGLAND, S.E.	76	36	91·4	82·6	86·8	− 0·6	104	− 7	0	0	5	+ 3	1·45	37	+ 29	4·2	−1·6	33	1012
Western.																			
6. SCOTLAND, WEST ...	69	36	88·2	81·3	84·6	− 0·6	76	− 8	0	0	6	+ 3	1·23	31	+ 14	4·2	−0·4	33	1007
7. ENGLAND, N.W.	74	37	89·4	82·2	85·7	− 0·5	90	− 5	0	0	5	+ 2	1·15	29	+ 16	4·1	−0·6	32	1008
8. ENGLAND, S.W.	75	37	90·5	82·5	86·3	− 0·5	98	− 6	0	0	5	+ 2	1·47	37	+ 25	4·7	−0·6	37	1011
9. IRELAND, NORTH ...	66	38	88·5	81·4	84·8	− 0·8	78	− 11	0	0	7	+ 3	0·96	24	+ 10	4·6	+0·6	36	1006
10. IRELAND, SOUTH ...	70	35	89·6	82·1	85·7	− 0·5	90	− 7	0	0	6	+ 3	1·02	26	+ 13	4·8	+0·1	37	1008
11. ENGLISH CHANNEL ...	75	49	91·5	85·6	88·4	0·0	124	0	0	0	5	+ 2	1·07	27	+ 16	6·0	−0·7	47	1013

THE SEASON (Autumn).—Aggregates, &c., for the Period of 3 Weeks, August 29th to September 18th, 1920.

0. SCOTLAND, NORTH ...	69	35	87·3	80·8	83·9	− 0·7	202	− 28	0	0	13	− 1	2·64	67	− 9	3·9	+0·2	29	1012
Eastern.																			
1. SCOTLAND, EAST ...	68	30	87·9	80·4	84·0	− 1·0	206	− 43	0	0	13	+ 1	1·80	46	+ 2	3·0	−1·4	22	1013
2. ENGLAND, N.E.	72	37	90·1	81·9	85·8	− 0·5	274	− 20	0	0	10	+ 1	1·08	27	− 6	3·3	−1·6	25	1015
3. ENGLAND, EAST ...	75	36	90·8	82·7	86·5	− 0·8	303	− 28	0	0	11	+ 2	1·51	39	+ 4	3·1	−2·4	23	1017
4. MIDLAND COUNTIES ...	75	37	90·9	81·9	86·2	− 0·5	288	− 19	0	0	9	0	1·61	41	+ 4	3·5	−1·3	26	1017
5. ENGLAND, S.E.	76	36	91·5	82·9	87·0	− 0·9	319	− 32	0	0	8	− 1	1·56	40	0	3·8	−2·0	28	1017
Western.																			
6. SCOTLAND, WEST ...	69	36	88·7	82·5	85·5	0·0	262	− 4	0	0	16	+ 5	3·13	79	+ 10	3·8	−0·9	28	1015
7. ENGLAND, N.W.	74	37	89·4	82·9	86·0	− 0·5	282	− 17	0	0	13	+ 2	2·22	57	+ 5	3·8	−0·9	28	1016
8. ENGLAND, S.W.	75	36	90·8	83·1	86·7	− 0·5	309	− 17	0	0	9	− 2	1·78	45	− 8	4·1	−1·2	31	1018
9. IRELAND, NORTH ...	70	38	89·5	82·9	86·0	+ 0·2	281	+ 5	0	0	17	+ 4	2·30	58	+ 4	3·4	−0·6	25	1014
10. IRELAND, SOUTH ...	71	35	90·6	83·8	87·0	+ 0·4	320	+ 13	0	0	13	+ 2	1·64	42	− 8	3·8	−0·8	29	1017
11. ENGLISH CHANNEL ...	75	48	91·3	85·7	88·3	− 0·4	370	− 14	0	0	7	− 3	1·18	30	− 11	5·3	−1·1	40	1020

THE YEAR 1920.—Aggregates, &c., for the Period of 37 Weeks, January 4th to September 18th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·5	78·2	81·2	+ 0·2	1652	− 41	387	−152	170	0	41·34	1050	+214	4·0	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·2	77·8	81·4	+ 0·1	1752	−148	456	−161	156	+11	23·89	606	+ 82	4·2	−0·1	31	1010
2. ENGLAND, N.E.	79	24	86·6	79·2	82·8	+ 0·6	2275	+108	280	−192	143	+14	20·00	510	+ 90	4·1	−0·5	31	1013
3. ENGLAND, EAST ...	84	20	87·8	79·7	83·5	+ 0·7	2607	+118	270	−224	128	+ 3	16·05	410	+ 10	4·7	−0·3	35	1015
4. MIDLAND COUNTIES ...	82	20	87·7	79·4	83·2	+ 0·6	2440	+ 5	263	−259	148	+24	23·76	603	+154	3·8	−0·7	28	1015
5. ENGLAND, S.E.	81	17	87·9	80·3	83·9	+ 0·5	2712	+ 73	166	−213	128	+ 7	19·10	488	+ 56	4·5	−0·7	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·6	79·2	82·3	+ 0·2	2025	− 52	269	−147	183	+31	38·17	971	+203	3·7	−0·7	27	1012
7. ENGLAND, N.W.	81	22	86 2	80·1	83·0	+ 0·4	2292	+ 35	187	−195	166	+29	31·88	810	+231	3·7	−0·9	27	1013
8. ENGLAND, S.W.	78	17	86·9	80·5	83·5	+ 0·3	2480	− 3	131	−170	156	+20	29·24	741	+126	4·1	−0·9	30	1015
9. IRELAND, NORTH ...	77	23	85·9	79·3	82·5	+ 0·1	2132	− 21	241	− 99	189	+22	28·38	721	+ 79	3·6	−0·4	26	1011
10. IRELAND, SOUTH ...	78	22	86·8	80·2	83·4	+ 0·1	2432	− 48	145	−115	177	+30	30·30	769	+102	3·8	−0·7	29	1014
11. ENGLISH CHANNEL ...	75	29	87·4	82·4	84·8	+ 0·4	2948	+105	20	− 85	128	−11	19·05	482	− 14	5·3	−0·7	40	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 24th September, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF; 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. *Vol. XXXVII. (New Series.)* } No. 38.

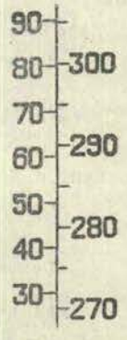
THIRTY-EIGHTH WEEK,

SUNDAY, SEPTEMBER 19TH, TO SATURDAY, SEPTEMBER 25TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the greater part of the week the United Kingdom generally was under the influence of an anticyclone, which stretched from the region of the Azores to Scandinavia. Although the weather varied greatly, the conditions were mostly dry, but with heavy morning mists and dew; the day temperatures were moderate but the nights were cold. Thunderstorms occurred in Cornwall on the 19th, and in various other districts on the 20th and 21st, when very heavy local rain fell over the Channel Islands and at Margate and Felixstowe. The highest day temperatures occurred late in the week, generally on the 25th, when readings of 292 a were recorded in most districts, the absolute highest being 294 a at Kilkenny and Foynes. In several districts the screen minima indicated a frost, notably at Balmoral, West Linton and Kilmarnock, where 271 a was recorded; the lowest grass readings were about 268 a or 269 a. The mean temperature for the week was below normal in all districts, the deficit being mostly about 2 a. Rainfall was more than the normal in Scotland north and England E. and S.E. and also in the English Channel, elsewhere it was less than usual. At Margate on the 21st rain began to fall at about 6h. and continued till 23h.; between 9h. and 10h. the fall was torrential, flooding the lower part of the town. In Guernsey the total fall for the three days, 19th–21st, was 72mm. at Villa Carey, and 78mm. at St. Martins Road. Bright sunshine was deficient in the Midland Counties, and in the eastern half of England and also in the Channel Islands, but elsewhere the daily mean was more than the normal; the divergence between individual stations was very marked, Scilly had about 8 hours per day, while at Jersey there was scarcely 3 hours; at stations in the west and south-west the percentage of the possible was about as high as at any time during the year. There was a display of aurora at Aberdeen and Fort William on the 20th and again at Aberdeen on the 22nd. Solar halos were seen at Oxford and Ross on the 19th, at Dublin on the 20th and Oxford on the 25th; there was a moon pillar at Aberdeen on the 22nd.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	14	5·2	10	3·9	3	1·1	3	1·9	10	3·5	2	0·3	12	3·5	11	5·1
North	11	4·3	8	1·5	17	3·4	18	2·6	16	4·6	17	3·2	8	4·4	12	3·1
West	15	2·2	15	2·8	8	2·7	5	2·4	17	2·6	8	1·3	13	4·6	7	2·0
East	6	2·7	4	2·5	11	2·6	11	1·2	9	4·1	10	1·6	8	2·2	14	1·5
Calm	2	—	7	—	6	—	6	—	2	—	18	—	6	—	5	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Deficient	Very deficient	Deficient	Deficient	Deficient	Deficient
	Rainfall ...	Moderate	Light	Moderate	Heavy	Light	Heavy	Light	Moderate	Light	Light	Light	Very heavy
	Sunshine ...	Abundant	Abundant	Moderate	Scanty	Scanty	Scanty	Moderate	Very abundant	Abundant	Abundant	Abundant	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 4 weeks from August 29th, 1920.	Warmth ...	0, 2, 2	0, 1, 3	0, 2, 2	0, 2, 2	0, 2, 2	0, 2, 2	0, 3, 1	0, 2, 2	0, 2, 2	1, 1, 2	1, 2, 1	0, 2, 2
	Rainfall ...	1, 2, 1	1, 1, 2	1, 1, 2	2, 0, 2	1, 0, 3	2, 0, 2	1, 2, 1	1, 2, 1	1, 0, 3	1, 2, 1	1, 1, 2	2, 0, 2
	Sunshine ...	3, 1, 0	1, 0, 3	0, 1, 3	0, 0, 4	0, 0, 4	0, 0, 4	0, 3, 1	1, 2, 1	1, 1, 2	2, 0, 2	1, 1, 2	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30160—19) Wt. 24—561/P25 500 10/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the Week.		Deviation from Normal.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands: a Lerwick	54	57	24, 25	35	21st	54·4	41·3	47·5	- 2·4	4	0·31	8	- 5
a, Islands: p Deerness, Orkney	165	58	24th	40	20, 21	54·0	45·6	49·6	—	6	0·57	15	+ 2
a, Islands: a Stornoway	51	59	25th	41	21, 22	54·4	46·0	50·0	- 1·2	7	1·65	42	+ 24
a, Islands: a Castlebay, Barra I.	37	57	25th	45	20, 21	54·4	48·6	51·4	—	6	1·34	34	—
b, Mainland: a Wick	81	63	25th	35	21, 22	54·4	42·1	48·0	- 3·1	5	1·22	31	+ 20
b, Mainland: a Strathpeffer	125	65	24th	33	21, 22	57·3	41·7	49·1	- 2·7	3	0·32	8	- 2
b, Mainland: p Glencarron	500	65	24th	34	22nd	55·1	41·9	48·2	- 2·6	5	1·22	31	- 3
b, Mainland: a Fort Augustus	88	64	25th	31	22nd	56·6	41·6	48·7	- 3·2	5	0·22	6	- 9
b, Mainland: p Fort William	171	66	24th	32	22nd	57·1	42·3	49·3	- 3·4	5	0·70	18	- 10
1. SCOTLAND, E.													
a Nairn	82	65	24, 25	33	22nd	56·6	39·3	47·5	- 4·2	5	0·36	9	- 4
p Gordon Castle	101	68	25th	32	21st	58·6	40·0	48·9	- 3·3	3	0·27	7	- 8
a Aberdeen	46	62	25th	34	22nd	57·9	41·1	49·1	- 3·0	2	0·21	5	- 8
a Balmoral	930	62	25th	28	22nd	54·4	36·0	44·8	- 4·1	2	0·17	4	- 10
p Crieff	432	62	24th	34	21st	57·3	40·4	48·4	- 4·2	1	0·03	1	- 16
a Dundee	244	63	24th	32	21, 22	58·4	35·9	46·6	- 5·8	2	0·11	3	- 9
a Leith	30	66	24th	37	22, 23	59·6	42·4	50·6	- 3·2	1	0·04	1	- 9
p Edinburgh	441	64	24, 25	39	21st	57·6	43·4	50·2	- 2·3	1	0·26	7	- 4
a West Linton	769	60	24, 25	29	22nd	55·7	35·0	44·9	- 4·2	3	0·07	2	—
p Marchmont	498	65	24th	37	23rd	59·3	39·4	48·9	- 2·7	2	0·25	6	- 8
6. a. SCOTLAND, W.													
a Ford (Argyll)	149	60	25th	32	21st	55·6	40·6	47·7	—	5	0·65	17	—
p Glasgow Observatory	180	62	24th	36	22nd	56·7	42·4	49·2	- 3·4	1	0·10	3	- 14
a Renfrew	49	64	24th	30	22, 23	58·6	36·9	47·2	—	1	0·08	2	—
p Rothesay	200	59	24, 25	38	21st	56·3	44·3	50·0	- 3·1	3	0·18	5	- 18
a Kilmarnock	90	66	24, 25	28	21st	61·3	38·4	49·3	- 2·7	1	0·08	2	- 16
a Colmoneil	170	64	25th	31	22nd	60·3	39·0	49·1	- 3·6	1	0·28	7	- 12
p Dumfries	180	63	24th	36	22nd	57·7	38·4	47·6	- 5·7	1	0·04	1	- 13
a Eskdalemuir	794	60	24th	33	20, 23	55·3	35·9	45·1	—	2	0·18	5	—
b. I. OF MAN p Douglas	277	61	23, 24	42	21st	57·7	45·4	51·3	- 2·3	3	0·06	2	- 16
2. ENGLAND, N.E.													
a North: a Alnwick Castle	210	68	25th	35	23rd	59·1	39·1	48·6	- 3·9	2	0·48	12	0
a North: a Tynemouth	118	59	24th	41	23rd	55·4	43·7	49·3	- 3·9	3	0·43	11	+ 1
a North: p Durham	336	67	25th	35	23rd	59·3	39·0	48·7	- 4·1	5	0·23	6	- 4
a North: p Rounton	249	66	25th	37	20th	58·0	41·6	49·4	- 3·0	3	0·14	4	- 5
a North: a West Witton	605	67	23rd	37	20th	58·3	40·3	48·9	—	2	0·25	6	—
a North: p Scarborough	100	65	25th	40	20th	60·4	46·0	52·9	- 1·8	1	0·02	1	- 9
a North: p York	56	65	25th	37	21st	59·7	42·1	50·5	- 3·8	1	0·02	1	- 8
b, South: a Spurn Head	26	62	23rd	45	19–21	58·6	47·3	52·7	- 2·8	3	0·25	6	- 2
b, South: a Lincoln	58	65	25th	37	21st	59·4	43·7	51·2	- 3·7	4	0·13	3	- 5
b, South: a Fulbeck	180	67	25th	32	21st	60·7	41·7	50·7	- 4·3	5	0·09	2	- 7
3. ENGLAND, E.													
p Cromer	196	60	19, 23, 24	42	20th	58·6	47·0	52·5	- 3·9	5	0·36	9	+ 1
a Little Massingham	280	63	23, 24	37	20th	59·1	44·9	51·7	- 3·4	6	0·84	21	+ 11
a Yarmouth	13	64	23rd	41	20, 21	60·1	48·6	53·0	- 3·1	4	0·26	7	- 2
a Norwich	93	65	23, 24	38	20th	60·7	47·7	53·9	- 1·8	7	0·70	18	+ 8
a Geldeston	37	65	23rd	36	20th	61·1	45·4	52·9	- 2·9	6	0·33	8	- 1
p Cambridge	41	67	24th	34	20th	61·3	46·4	53·5	- 2·3	4	1·07	27	+ 20
a Clacton-on-Sea	54	63	23rd	44	20th	60·9	48·0	54·1	- 2·5	5	1·20	31	+ 23
a Rothamsted	424	62	23rd	39	20th	58·3	46·3	52·0	- 2·7	3	0·50	13	+ 4
p Tottenham	51	65	23rd	43	20th	61·0	49·0	54·7	—	3	0·99	25	—
4. MIDLAND COUNTIES.													
a North: a Harrogate	479	65	25th	38	20th	57·7	41·7	49·3	- 3·5	2	0·03	1	- 9
a North: p Sheffield	429	62	25th	37	21st	57·9	43·9	50·6	—	0	0·00	0	—
a North: p Buxton	987	64	25th	35	20, 21	56·0	40·0	47·6	—	1	0·09	2	- 15
b, East: a Worksop	56	65	23rd	30	21st	60·4	40·6	50·0	- 4·1	3	0·05	1	- 7
b, East: a Nottingham	82	66	23rd	31	21st	59·4	39·9	49·2	- 5·3	2	0·06	1	- 8
b, East: p Birmingham, Edgbsn.	535	66	25th	41	20th	58·6	45·0	51·5	- 3·0	2	0·02	1	- 9
b, East: a Raunds	203	65	25th	34	20th	61·0	44·7	52·5	- 3·0	2	0·29	7	- 1
b, East: p Oxford	208	64	23rd	38	20th	60·1	46·4	52·9	- 2·5	4	0·50	13	+ 4
c, West: a Cheadle (N. Staffs.)	646	60	25th	39	21st	57·0	43·0	49·7	- 3·5	1	0·02	1	- 12
c, West: p Tenbury	313	64	25th	31	20th	60·9	40·9	50·4	- 3·4	3	0·10	3	- 5
c, West: a Hereford	291	64	25th	33	20th	58·9	40·4	49·2	- 5·1	5	0·05	1	- 8
c, West: a Clifton	229	63	25th	42	20th	59·7	46·0	52·5	- 4·2	1	0·05	1	- 12
5. ENGLAND, S.E.													
a Marlborough	424	63	23rd	32	20th	59·7	41·7	50·3	- 3·1	2	0·07	2	- 8
p Wilton Ho.*	180	64	23, 25	38	20th	61·1	44·3	52·3	- 2·8	2	0·21	5	- 5
a Wisley, Surrey	150	63	19th	42	20th	60·6	46·7	53·3	- 2·0	3	0·50	13	+ 3
a Tunbridge Wells	354	64	23rd	39	23rd	60·7	46·4	53·2	- 2·5	6	0·74	19	+ 8
a Margate	51	63	19, 23	46	19th	60·7	51·6	55·9	- 1·9	4	2·48	63	+ 53
a Dungeness	21	63	23rd	47	21, 23	61·3	49·4	55·1	- 2·1	5	1·23	31	+ 21
p St. Leonards	178	64	23rd	46	19th	61·6	49·7	55·4	- 1·9	6	1·06	27	+ 16
p Southampton	64	65	23, 25	45	19, 21	61·3	47·6	54·1	- 3·2	3	0·27	7	- 4
a Ventnor	59	64	23rd	47	21st	61·4	50·1	55·5	- 2·9	4	0·62	16	+ 4
LONDON. a Richmond Kew Obs.)	18	64	23rd	42	20th	60·7	47·9	54·0	- 2·0	2	0·61	16	+ 7
a Westminster	27	66	23rd	45	20th	62·4	49·9	55·9	- 1·3	4	0·76	19	+ 11
ag Greenwich	149	66	23rd	42	20th	62·3	48·0	54·8	- 2·1	3	1·15	29	+ 18
a Hampstead	450	64	23rd	44	19th	59·6	48·1	53·6	—	4	0·90	23	—
ag Camden Square	110	69	23rd	43	20th	63·9	49·0	56·1	- 1·4	4	0·86	22	+ 13
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	487	65	24th	39	22, 23, 25	57·3	39·7	48·1	- 5·2	3	0·17	4	- 13
p Newton Rigg	559	66	23, 25	38	19, 25	58·9	41·1	49·6	- 2·5	3	0·45	12	- 2
p Stonyhurst	376	61	24th	38	20th	57·0	42·6	49·5	- 3·9	1	0·15	4	- 16
p Blackpool	66	66	24th	38	23rd	59·7	43·6	51·3	- 3·4	4	0·36	9	- 6
a Southport	37	66	24th	40	23rd	59·4	43·9	51·3	- 3·3	2	0·63	16	+ 1
a Liverpool (Bidston)	188	62	24th	44	21st	58·6	45·7	51·8	- 3·4	2	0·16	4	- 9
a Hawarden Bridge	22	65	25th	38	23rd	60·6	42·9	51·3	- 4·2	2	0·06	2	- 8
p Manchester (Whit. Pk.)	125	66	23rd	39	20th	61·0	43·6	51·9	- 3·5	1	0·02	1	- 11
b, NORTH WALES.													
p Llandudn	16	64	25th	40	20th	59·3	44·9	51·8	- 4·3	2	0·90	23	+ 11
a Holyhead	15	62	23, 24	44	23rd	58·4	46·3	52·1	- 3·5	5	0·41	10	- 4
a Aberdovey	60	65	23, 24	43	20th	61·1	47·3	53·9	—	1	0·30	8	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
Deerness	5·7	+ 2·6	46	•	•	•	•	•	•
Stornoway	2·5	- 0·9	20	•	•	•	•	•	•
Castlebay	3·6	—	29	•	•	•	•	•	•
Nairn	4·5	—	36	•	•	•	•	•	•
Gordon Castle	4·2	—	34	•	•	•	•	•	•
Aberdeen	6·1	+ 2·3	49	1	30	•	•	51·9	-0·6
Balmoral	•	•	•	2	25	•	•	•	•
Crathes	5·7	+ 2·2	46	1	25	52·0	-1·7	53·1	-0·7
Dundee	5·6	—	45	4	26	52·0	•	•	•
Leith	•	•	•	0	32	•	•	•	•
Edinburgh	6·2	+ 2·5	50	0	31	•	•	•	•
West Linton	4·9	—	40	5	23	•	•	•	•
Marchmont	6·7	+ 3·0	54	•	•	•	•	•	•
Ford (Argyll)	•	•	•	2	26	52·9	—	54·9	—
Glasgow	4·0	+ 1·0	32	3	24	•	•	•	•
Renfrew	4·1	—	33	?2	25	—	—	—	—
Rothesay	5·4	—	44	1	30	52·1	—	53·7	-0·1
Kilmarnock	4·2	—	34	•	•	51·3	—	53·7	—
Colmoneil	•	•	•	2	27	•	•	•	•
Dumfries	5·3	—	43	0	31	52·0	-2·6	54·0	-2·7
Eskdalemuir	5·2	—	42	5	27	•	•	•	•
Douglas	5·7	+ 1·2	46	0	37	•	•	•	•
Spurn Head	•	•	•	•	•	•	•	•	•
Lincoln	•	•	•	0	37	53·6	-2·1	55·4	-1·1
Fulbeck	3·3	- 1·3	27	0	31	—	—	—	—
Skegness	3·8	- 1·1	31	•	•	•	•	•	•
Cromer	3·7	- 1·1	30	•	•	•	•	•	•
Lit. Massingham	2·9	- 1·7	24	•	•	•	•	•	•
Yarmouth	4·3	—	35	0	39	56·4	-1·7	56·9	-2·3
Norwich	3·5	—	29	0	32	55·0	•	•	•
Geldeston	3·8	- 1·2	31	•	•	•	•	•	•
Cambridge	3·4	- 1·5	27	1	29	56·4	-0·6	57·5	-0·7
Clacton	4·1	- 1·6	33	0	40	56·4	-1·3	57·9	-0·7
Rothamsted	3·6	- 1·3	29	1	29	54·5	•	•	•
Tottenham	3·9	—	32	0	41	•	•	58·5	-1·4
S'thend-on-Sea	2·9	—	24	0	42	57·8	-2·1	—	—
Harrogate	5·1	+ 0·9	41	0	32	52·0	-1·6	53·2	-0·9
Sheffield	2·1	- 1·7	17	0	31	51·6	-3·0	54·0	-0·9
Buxton	4·7	—	38	1	29	50·8	-2·6	53·6	-0·8
Worksop	2·6	- 1·3	21	2	25	52·5	—	54·2	—
Nottingham	2·9	- 1·1	24	1	29	51·7	-3·1	55·4	-1·4
Birmingham	1·6	- 1·9	13	3	25	50·6	-2·4	52·5	-0·7
Raunds	3·7	—	30	2	30	54·9	—	55·5	—
Oxford	3·8	- 0·8	31	0	33	•	•	•	•
Malvern	3·5	—	28	0	36	54·8	—	57·3	—
Cheadle	•	•	•	0	38	•	•	•	•
Tenbury	•	•	•	1	28	54·4	—	—	—
Ross-on-Wye	3·4	—	28	1	29	55·8	—	57·7	—
Clifton	5·5	—	45	0	39	•	•	•	•
Worthing	3·9	- 1·9	31	0	43	57·5	-0·7	58·6	-0·7
Marlborough	3·4	- 1·0	27	1	29	54·4	—	55·2	—
Wilton Ho.	•	•	•	0	36	55·7	•	•	•
Wisley	3·9	- 1·0	32	0	33	55·8	-1·0	56·8	-1·0
Tunbridge Wells	2·3	- 3·0	19	0	35	56·4	-1·1	57·2	—
Margate	3·8	- 1·4	31	0	43	58·2	+0·6	59·5	+1·3
Folkestone	3·3	—	27	•	•	•	•	55·1	—
St. Leonards	3·2	- 2·4	26	0	39	57·6	—	58·6	—
Southampton	3·4	- 1·9	28	0	36	•	•	•	•
Ventnor	3·5	- 2·0	28	•	•	•	•	•	•
Richmond	3·8	- 0·9	31	0	36	55·4	-1·1	56·7	-0·5
Westminster	3·5	- 0·6	29	?	?	•	•	•	•
Greenwich	3·6	- 1·4	29	0	37	•	•	•	•
Hampstead	4·3	—	35	—	—	•	•	•	•
Camden Square	—	—	—	0	41	•	•	•	•
Aspatria	6·8	+ 2·3	55	0	34	51·3	-3·0	53·1	-1·5
Newton Rigg	6·2	+ 2·0	50	—	—	—	—	—	—
Stonyhurst	5·1	+ 1·0	41	0	32	•	•	•	•
Blackpool	5·9	+ 1·2	48	0	35	54·6	—	54·9	—
Southport	6·4	+ 1·9	51	0	33	53·7	-2·3	57·3	-0·4
Hoylake	6·9	+ 2·5	55	•	•	•	•	•	•
Liverpool	6·1	—	49	0	38	•	•	•	•
Manchester (City)	4·3	+ 0·8	34	0	39	53·7	-1·9	56·6	-1·2
Whitworth Park	4·4	+ 1·0	35	•	•	•	•	•	•
Llandudno	7·0	+ 2·3	57	•	•	•	•	•	•
Holyhead	6·2	—	50	0	34	•	•	•	•
Aberdovey	7·0	+ 1·9	56	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.				Mean for the Week.				Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date	Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft Mean.	Earth 1 ft Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
9. *a*. SOUTH WALES.																							
a Aberystwyth	59	61	22nd	40	20th	58·6	44·3	51·1	—	1	0·29	7	—	Aberystwyth ..	6·8	+ 1·7	55	•	•	•	•	•	•
a Rhayader	767	64	24th	34	20, 24	58·0	39·6	48·4	—	2	0·05	1	—	Rhayader ..	4·5	—	36	3	23	•	•	•	•
a St. Ann's Head ..	149	62	24th	45	20–22	59·0	46·6	52·5	- 3·5	3	0·13	3	- 11	St. Ann's Head ..	6·9	+ 1·9	56	•	•	•	•	•	•
p Cardiff	202	65	25th	41	20th	60·6	45·3	52·6	- 2·6	0	0·00	0	- 16	Cardiff	6·0	—	49	0	33	55·8	-0·6	57·3	-0·1
b. ENGLAND, S.W.																							
a Bath	66	64	25th	35	20th	61·0	44·1	52·1	- 3·6	0	0·00	0	- 10	Bath	5·0	0·0	41	—	—	56·9	-1·8	58·8	-0·9
a Shaftesbury ..	722	63	23, 25	42	21st	59·6	45·0	52·0	- 3·1	2	0·14	4	- 8	Shaftesbury ..	•	•	•	•	•	56·1	—	56·8	—
a Arlington	613	65	24th	40	20, 24	60·1	44·1	51·7	- 2·8	1	0·02	1	- 20										
a Newquay	190	61	25th	39	25th	58·8	46·2	52·2	- 4·8	1	0·05	1	- 13	Newquay ..	7·1	+ 1·8	58	—	—	56·7	—	57·7	—
a Cullompton	202	69	25th	36	20th	63·3	42·1	52·2	- 3·2	3	0·04	1	- 10	Cullompton ..	5·0	+ 0·2	41	0	31	55·2	•	•	•
a Portland Bill	19	64	24th	45	21st	60·9	49·4	54·9	- 2·8	1	0·12	3	- 7	Weymouth ..	4·7	—	38	•	•	•	•	•	•
p Plymouth	116	69	24th	46	20, 21	63·6	48·6	55·7	- 1·2	1	0·09	2	- 10	Plymouth ..	6·6	+ 1·3	53	0	38	56·7	- 1·4	57·8	—
a Falmouth	167	66	24th	43	20th	61·7	46·4	53·7	- 2·9	3	0·55	14	- 1	Falmouth ..	6·8	+ 1·4	55	0	38	59·2	—	60·4	—
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	•	•	•	•	•	•
a Blacksod Point ..	37	61	25th	42	19th	58·4	48·0	53·0	- 2·1	6	0·96	24	+ 4	Mallarany ..	—	—	—	—	—	—	—	•	•
a Mallarany	120	62	25th	40	21, 23	59·4	44·6	51·6	—	4	0·50	13	—	Markree Castle	4·8	+ 1·2	39	2	25	55·2	-1·5	56·0	-0·3
p Markree Castle ..	122	67	25th	30	22nd	60·4	41·6	50·6	- 2·5	4	0·13	3	- 15										
b, East .. { *p* Armagh	196	68	25th	33	22nd	59·9	41·9	50·5	- 3·0	2	0·22	6	- 7	Armagh	5·8	+ 1·7	45	2	28	53·6	- 2·3	55·0	-1·0
a Donaghadee	39	63	25th	43	19, 23	58·0	44·7	51·0	- 3·3	2	0·12	3	- 10										
10. IRELAND, S.																							
p Dublin, City	47	69	25th	38	23rd	59·7	43·4	51·2	- 4·2	1	0·05	1	- 10	Trinity Coll. ..	6·0	—	48	1	30	54·8	-1·6	56·0	-0·5
a Birr Castle	175	69	25th	31	22, 23	60·6	36·0	47·7	- 6·1	3	0·20	5	- 9	Phœnix Park ..	7·1	+ 2·5	57	2	25	•	•	•	•
a Kilkenny	195	70	25th	33	23rd	61·4	38·3	49·3	- 5·0	2	0·09	2	- 12	Dublin City ..	•	•	•	0	34	•	•	•	•
a Waterford	137	65	25th	37	23rd	60·6	40·7	50·2	- 5·1	2	0·28	7	- 9	Birr Castle ..	6·0	+ 1·8	49	2	27	•	•	•	•
p Seskin, Carrick-on-Suir	535	68	25th	37	22nd	61·1	41·6	50·9	—	4	0·35	9	—	Seskin	8·0	—	65	1	29	•	•	•	•
a Cahir	199	65	25th	32	22nd	59·7	36·1	47·3	- 7·3	4	0·32	8	—										
a Foynes	50	71	25th	39	22nd	61·7	44·7	52·8	- 2·3	3	0·06	2	- 17										
a Cahirciveen (Val. Obs.)	30	64	25th	36	22, 23	59·0	43·4	50·8	- 5·1	3	0·23	7	- 17	Cahirciveen ..	5·5	+ 1·1	45	0	32	•	•	•	•
a Killarney	174	67	25th	35	22nd	62·6	42·9	52·3	- 3·4	4	0·16	4	- 17	Ballinacurra ..	6·4	+ 2·0	52	•	•	•	•	•	•
a Roche's Point	32	62	25th	41	23rd	59·6	45·6	52·3	- 3·7	7	0·20	5	- 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	64	25th	47	22nd	60·3	50·3	55·1	- 2·8	4	0·48	12	0	Scilly	7·7	+ 1·8	63	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	64	23rd	48	22nd	61·1	52·7	56·7	- 2·8	5	1·93	49	+ 37	St. Heliers ..	2·9	- 3·6	23	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	66	23rd	50	21st	60·4	52·6	56·3	- 3·3	4	2·88	73	+ 60	Guernsey† ..	3·2	- 3·3	26	0	43	57·6	- 2·6	60·1	-0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, September 25th, 1920.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
				More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
	Above Mean Sea Level	Above Ground.	Above Building.	Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date.		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	—	—	—	88	66	14	0	310	10	20	2	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	—	111	57	0	180	5	23	13	13	23	12	20
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	—	—	—	9	150	9	0	300	7	19	13	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	21	109	38	0	180	9	25	22	13	24	11	55
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	—	—	24	90	54	0	50	9	21	10	14	21	13	55
Paisley	188	81	15	—	—	—	—	5	95	68	0	190	8	25	24	14	25	23	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	—	45	123	0	250	5	21	12	10	21	11	30
South Shields	72	61	12	—	—	—	—	11	94	63	0	70	8	21	13	12	21	7	55
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	21	1	49	86	32	0	60	12	21	24	17	22	0	15
Shoeburyness	103	90	‡	—	—	—	—	34	82	49	0	250	10	19	1	17	19	0	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	11	106	51	0	20	7	22	9	12	22	9	5
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	10	120	38	0	—	6	19	1	12	19	0	45
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	1	109	58	0	50	6	24	11	11	24	10	50
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	—	—	41	103	24	0	30	11	21	5	—	—	—	—
Southport	80	62	48	—	—	—	—	59	92	17	0	10	10	21	16	15	21	15	25
Holyhead	60	40	‡	—	—	19, 21	12	66	71	19	0	10	13	21	7	17	21	9	5
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	—	—	51	70	36	11	10	10	22	9	16	22	9	30
Plymouth	185	88	2	—	—	—	—	32	121	15	0	—	9	22	12	15	22	11	30
Lyme Regis	556	61	‡	—	—	—	—	15	26	127	0	—	9	22	3	12	22	2	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	19, 21	2	62	70	34	0	260	12	19	1	—	—	—	—
Quilty	100	40	‡	—	—	—	—	35	85	48	0	—	10	25	18	16	25	17	40
Cahirciveen, (Val. Obs.)	98	41	‡	—	—	—	—	73	58	37	0	200	10	25	18	18	25	17	50
Weaver Pt.	160	30	‡	—	—	21	1	36	114	4	13	—	†11	21	13	13	20	17	20
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	22	58	87	1	290	9	19	2	13	21	12	10

† More exactly the ranges adopted for this classification are > 17·2, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-EIGHTH WEEK of 1920—September 19th to September 25th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest	Lowest	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal								
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	66	31	86·1	78·8	82·3	− 1·4	47	− 18	0	0	5	+ 1	0·81	21	+ 4	4·1	+1·0	33	1017
Eastern.																			
1. SCOTLAND, EAST ...	68	28	87·1	77·0	81·8	− 2·1	53	− 14	8	+ 7	2	− 1	0·18	4	− 9	5·8	+2·1	47	1019
2. ENGLAND, N.E.	68	32	88·0	78·9	83·3	− 1·8	60	− 23	0	0	3	0	0·20	5	− 4	4·5	+0·2	36	1019
3. ENGLAND, EAST ...	67	34	88·6	81·2	84·7	− 1·4	78	− 18	0	0	5	+ 2	0·69	18	+ 9	3·7	−1·3	30	1017
4. MIDLAND COUNTIES ...	66	30	88·2	79·1	83·4	− 2·0	61	− 26	0	− 1	3	0	0·12	3	− 7	3·4	−0·9	27	1019
5. ENGLAND, S.E.	65	32	89·1	81·6	85·2	− 1·4	83	− 18	0	0	4	+ 1	0·78	20	+ 10	3·4	−1·8	28	1017
Western.																			
6. SCOTLAND, WEST ...	66	28	87·4	78·2	82·5	− 2·1	54	− 21	2	+ 2	2	− 1	0·20	5	− 15	4·9	+1·0	39	1020
7. ENGLAND, N.W.	66	38	88·0	79·3	83·4	− 2·1	62	− 25	0	0	2	− 1	0·31	8	− 6	6·4	+2·2	52	1019
8. ENGLAND, S.W.	69	34	89·0	80·3	84·4	− 1·8	74	− 22	0	0	2	− 1	0·11	3	− 11	6·1	+1·1	49	1019
9. IRELAND, NORTH ...	69	30	88·3	78·8	83·3	− 1·8	60	− 23	0	0	3	− 1	0·33	8	− 7	5·2	+1·4	42	1018
10. IRELAND, SOUTH ...	71	31	88·8	78·1	83·2	− 2·6	62	− 29	2	+ 2	3	− 1	0·18	5	− 12	6·3	+1·8	51	1020
11. ENGLISH CHANNEL ...	66	47	88·9	84·1	86·3	− 1·6	98	− 20	0	0	4	+ 1	1·76	45	+ 33	4·6	−1·8	37	1018

THE SEASON (Autumn).—Aggregates, &c., for the Period of 4 Weeks, August 29th to September 25th, 1920.

0. SCOTLAND, NORTH ...	69	31	87·0	80·3	83·5	− 0·9	249	− 46	0	0	18	0	3·45	88	− 5	4·0	+0·4	30	1014
Eastern.																			
1. SCOTLAND, EAST ...	68	28	87·7	79·6	83·5	− 1·2	259	− 57	8	+7	15	0	1·98	50	− 7	3·7	−0·6	28	1015
2. ENGLAND, N.E.	72	32	89·6	81·2	85·2	− 0·8	334	− 43	0	0	13	+ 1	1·28	32	− 10	3·6	−1·2	27	1016
3. ENGLAND, EAST ...	75	34	90·3	82·4	86·1	− 0·9	381	− 46	0	0	16	+ 4	2·20	57	+ 13	3·2	−2·1	25	1017
4. MIDLAND COUNTIES ...	75	30	90·2	81·2	85·5	− 0·9	349	− 45	0	−1	12	0	1·73	44	− 3	3·4	−1·3	26	1018
5. ENGLAND, S.E.	76	32	90·9	82·6	86·6	− 1·0	402	− 50	0	0	12	0	2·34	60	+ 10	3·7	−2·0	28	1017
Western.																			
6. SCOTLAND, WEST ...	69	28	88·4	81·5	84·8	− 0·5	316	− 25	2	+2	18	+ 4	3·33	84	− 5	4·1	−0·4	31	1016
7. ENGLAND, N.W.	74	37	89·1	82·0	85·4	− 0·9	344	− 42	0	0	15	+ 1	2·53	65	− 1	4·4	−0·2	34	1017
8. ENGLAND, S.W.	75	34	90·3	82·4	86·2	− 0·7	383	− 39	0	0	11	− 3	1·89	48	− 19	4·6	−0·6	35	1018
9. IRELAND, NORTH ...	70	30	89·2	81·9	85·3	− 0·4	341	− 18	0	0	20	+ 3	2·63	66	− 3	3·8	−0·2	29	1015
10. IRELAND, SOUTH ...	71	31	90·1	82·4	86·1	− 0·3	382	− 16	2	+2	16	+ 1	1·82	47	− 20	4·4	−0·2	34	1018
11. ENGLISH CHANNEL ...	75	47	90·7	85·3	87·8	− 0·7	468	− 34	0	0	11	− 2	2·94	75	+ 22	5·1	−1·3	39	1019

THE YEAR 1920.—Aggregates, &c., for the Period of 38 Weeks, January 4th to September 25th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·6	78·2	81·3	+ 0·2	1699	− 59	387	−152	175	+ 1	42·15	1071	+218	4·0	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·3	77·8	81·4	0·0	1805	−162	464	−154	158	+10	24·07	610	+ 73	4·3	0·0	31	1010
2. ENGLAND, N.E.	79	24	86·6	79·2	82·8	+ 0·6	2335	+ 85	280	−192	146	+14	20·20	515	+ 86	4·1	−0·5	31	1013
3. ENGLAND, EAST ...	84	20	87·8	79·7	83·6	+ 0·7	2685	+100	270	−224	133	+ 5	16·74	428	+ 19	4·7	−0·3	35	1015
4. MIDLAND COUNTIES ...	82	20	87·7	79·4	83·2	+ 0·5	2501	− 21	263	−260	151	+24	23·88	606	+147	3·7	−0·8	28	1015
5. ENGLAND, S.E.	81	17	87·9	80·3	84·0	+ 0·5	2795	+ 55	166	−213	132	+ 8	19·88	508	+ 66	4·5	−0·7	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·7	79·2	82·3	+ 0·2	2079	− 73	271	−145	185	+30	38·37	976	+188	3·7	−0·7	28	1012
7. ENGLAND, N.W.	81	22	86·2	80·1	83·0	+ 0·4	2354	+ 10	187	−195	168	+28	32·19	818	+225	3·7	−0·9	28	1013
8. ENGLAND, S.W.	78	17	86·9	80·5	83·6	+ 0·3	2554	− 25	131	−170	158	+19	29·35	744	+115	4·1	−0·9	31	1016
9. IRELAND, NORTH ...	77	23	86·0	79·3	82·5	0·0	2192	− 44	241	− 99	192	+21	28·71	729	+ 72	3·6	−0·4	27	1011
10. IRELAND, SOUTH ...	78	22	86·9	80·2	83·4	+ 0·1	2494	− 77	147	−113	180	+29	30·48	774	+ 90	3·9	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·5	82·4	84·8	+ 0·3	3046	+ 85	20	− 85	132	−10	20·81	527	+ 19	5·3	−0·7	40	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 1st October, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE. 153

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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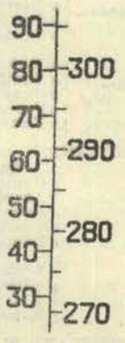
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 39.

THIRTY-NINTH WEEK, SUNDAY, SEPTEMBER 26TH, TO SATURDAY, OCTOBER 2ND, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions prevailed over Great Britain during the first half of the week with fair weather generally, but with morning mist or fog. From Wednesday till the close of the period a depression which had spread in from the westward caused unsettled weather in all parts of the United Kingdom, with strong south-westerly winds in the south and west, and south-easterly to easterly winds in the east and north; a gale was experienced in the extreme north of Scotland. Thunderstorms occurred on Saturday over a large part of England, accompanied by hail in many places. The warmest days were in most instances early in the week, when readings of 295 a were recorded in most parts of England; in Scotland at the close of the week the maxima were comparatively low, only 283 a at Balmoral on Saturday. The night temperatures were relatively high throughout the week; only at a few inland stations did the thermometer go as low as 277 a and no ground frosts were reported. Mean temperature for the week was everywhere in excess of the normal, in the Channel Islands the divergence was slight, but over Scotland it was as much as 2·5 a. Rainfall was below normal in Scotland N., Scotland W. and England N.W., just equal to it in England E., but in all other districts it was more than normal, the greatest excess being 16mm. in Ireland S. Amounts of 20mm. or more in a day were recorded late in the week in Scotland E., England S.W. and Ireland S.; at Crathes 27mm. fell on October 1st and 20mm. on October 2nd, at Valencia Observatory (Cahirciveen) 26mm. on September 29th and 28mm. on October 2nd, at Falmouth 43mm. on September 30th, and at Dublin 24mm. on October 2nd, nearly the whole of the latter amount fell in 30 minutes between 14h. and 15h. Bright sunshine did not differ much from the normal; over England S.E. and the Midland counties there was a deficit of a little less than an hour per day. A solar halo was seen at Oxford on the 30th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	26	5·3	24	4·0	10	6·5	6	3·8	21	4·5	22	2·7	22	5·8	20	7·0
North	1	0·6	0	—	5	1·3	9	1·2	2	5·4	3	1·8	2	1·5	3	3·0
West	3	2·3	9	2·6	7	2·8	3	1·4	14	2·3	13	1·5	5	2·4	6	3·4
East	22	5·5	15	2·0	10	3·1	11	2·8	11	3·5	11	3·5	14	2·9	12	4·8
Calm	1	—	4	—	9	—	13	—	3	—	0	—	4	—	5	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very unusual	Very unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Moderate	Unusual	Unusual	Moderate
	Rainfall ...	Light	Moderate	Heavy	Moderate	Moderate	Moderate	Light	Moderate	Moderate	Moderate	Heavy	Heavy
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Abundant	Scanty	Moderate	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 5 weeks from August 29th, 1920.	Warmth ...	1, 2, 2	1, 1, 3	1, 2, 2	1, 2, 2	1, 2, 2	1, 2, 2	1, 3, 1	1, 2, 2	0, 3, 2	2, 1, 2	2, 2, 1	0, 3, 2
	Rainfall ...	1, 2, 2	1, 2, 2	2, 1, 2	2, 1, 2	1, 1, 3	2, 1, 2	1, 2, 2	1, 3, 1	1, 1, 3	1, 3, 1	2, 1, 2	3, 0, 2
	Sunshine ...	3, 2, 0	1, 1, 3	0, 2, 3	0, 1, 4	0, 1, 4	0, 1, 4	0, 4, 1	2, 2, 1	1, 1, 3	2, 1, 2	1, 1, 3	0, 3, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30252—19) Wt. 24—561/P25 500 10/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week.				No. of Rain-Days.							Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal		Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts	Lowest Reading.	Mean.	Deviation from Average.	Mean	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F	°F
0. SCOTLAND, N.																					
a, Islands .. a Lerwick	54	57	26, 27	45	28, 29	55·9	47·9	51·7	+ 2·6	4	0·21	5	- 15								
p Deerness, Orkney ..	165	59	27th	47	28th	56·0	51·7	53·7	—	2	0·29	7	- 13	Deerness ..	1·4	- 1·6	12	•	•	•	•	•	•
a Stornoway	51	63	29, 30	43	30, 1	60·1	46·9	53·2	+ 3·2	5	1·10	28	+ 1	Stornoway ..	4·7	+ 0·9	40	•	•	•	•	•	•
a Castlebay, Barra I. ..	37	—	—	50	26th	—	53·0	—	—	—	-	—	—	Castlebay ..	—	—	--	•	•	•	•	•	•
b, Mainland. a Wick	81	60	27th	45	28th	56·3	51·1	53·6	+ 3·6	2	0·16	4	- 12										
a Strathpeffer	125	66	26th	42	28th	61·7	48·7	54·9	+ 4·6	3	0·40	10	- 4										
p Glencarron	500	67	28th	42	28th	62·9	49·7	56·0	+ 6·6	2	0·62	16	- 33										
a Fort Augustus.. ..	68	69	29th	46	28th	62·0	52·4	57·0	+ 6·5	3	0·45	11	- 11										
p Fort William	171	65	28, 29	45	2nd	62·1	51·6	56·6	+ 5·3	6	1·50	38	- 3										
1. SCOTLAND, E.																					
a Nairn	82	68	28th	45	28th	62·4	49·9	55·9	+ 5·6	4	0·30	8	- 5	Nairn	4·0	—	34	•	•	•	•	•	•
p Gordon Castle	101	68	28th	45	28th	62·0	51·7	56·6	+ 5·6	5	0·61	15	- 1	Gordon Castle..	3·0	—	26	•	•	•	•	•	•
a Aberdeen	46	66	26th	51	26th	58·4	52·7	55·4	+ 4·4	4	1·67	43	+ 29	Aberdeen ..	2·4	- 1·2	20	0	46	•	•	51·4	- 0·6
a Balmoral	930	65	26th	39	2nd	58·0	47·3	52·4	+ 4·8	5	1·23	31	+ 15	Balmoral ..	•	•	•	0	35	•	•	•	•
p Crieff	432	64	26, 28	44	2nd	58·4	50·4	54·2	+ 3·1	4	0·65	17	- 1	Crathes	2·6	- 0·8	22	0	40	54·2	+1·3	52·4	- 0·8
a Dundee	244	66	26th	41	2nd	59·1	49·0	53·8	+ 2·8	5	0·76	19	+ 6	Dundee	1·5	—	13	0	34	53·3	•	•	•
a Leith	30	69	26th	46	26th	62·1	51·9	56·8	+ 4·3	3	0·31	8	- 3	Leith	•	•	•	0	41	•	•	•	•
p Edinburgh	441	69	28th	46	2nd	61·1	52·1	56·4	+ 5·1	3	0·32	8	- 4	Edinburgh ..	4·4	+ 0·8	37	0	39	•	•	•	•
a West Linton	769	67	28th	45	2nd	60·1	50·4	55·0	+ 7·1	4	0·26	7	—	West Linton ..	3·2	—	27	0	38	•	•	•	•
p Marchmont	498	71	28th	45	2nd	61·0	50·6	55·6	+ 5·3	5	0·48	12	- 4	Marchmont .	2·7	- 0·6	23	•	•	•	•	•	•
6. a, SCOTLAND, W.																					
a Ford (Argyll)	149	64	30th	49	26, 2	60·6	52·0	56·1	—	5	1·07	27	—	Ford (Argyll) ..	•	•	•	0	41	54·7	—	53·8	—
p Glasgow Observatory	180	64	26, 28, 30	50	2nd	61·0	53·1	56·9	+ 5·3	3	0·09	2	- 18	Glasgow.. ..	3·4	+ 0·7	29	0	41	•	•	•	•
a Renfrew	49	—	—	—	—	—	—	—	—	—	—	—	—	Renfrew ..	—	—	—	0	38	—	—	—	—
p Rothesay	200	62	26, 30	48	2nd	59·6	51·1	55·2	+ 3·1	3	0·65	17	- 10	Rothesay ..	4·2	—	35	0	40	54·0	—	53·0	- 0·2
a Kilmarnock	90	68	26th	48	29th	64·4	52·7	58·3	+ 7·4	4	0·32	8	- 14	Kilmarnock ..	4·3	—	36	•	•	54·7	—	53·1	—
a Colmonell	170	66	26th	49	2nd	62·6	53·7	57·9	+ 6·1	3	0·76	19	- 5	Colmoneil ..	•	•	•	0	39	•	•	•	•
p Dumfries	160	65	30th	47	30th	61·1	50·7	55·7	+ 3·6	3	0·15	4	- 15	Dumfries ..	3·9	—	33	0	38	54·2	+1·0	53·3	- 2·5
a Eskdalemuir	794	61	30th	45	29, 2	58·3	48·9	53·4	—	5	0·40	10	—	Eskdalemuir ..	2·1	—	17	0	39	•	•	•	•
b, I. OF MAN p Douglas	277	61	28th	44	2nd	59·0	51·7	55·2	+ 2·4	2	1·12	29	+ 5	Douglas	3·4	- 0·6	29	0	39	•	•	•	•
2. ENGLAND, N.E																					
a Alnwick Castle ..	210	68	27th	40	2nd	59·7	49·6	54·4	+ 2·8	4	0·88	22	+ 7										
a Tynemouth	118	64	26th	44	26th	58·1	50·0	53·9	+ 1·6	4	0·68	17	+ 4	Cockle Park ..	2·5	- 1·5	21	0	35	52·3	+1·3	51·9	- 0·5
p Durham	336	69	26th	42	2nd	62·1	49·1	55·3	+ 3·6	3	0·65	17	+ 4	Durham	3·1	- 0·6	26	0	31	•	•	•	•
a North .. p Rounton	249	68	28th	42	28th	63·1	48·9	55·7	+ 4·3	4	0·33	8	- 4	Rounton ..	•	•	•	0	32	54·7	•	•	•
a West Witton	605	68	28th	43	28th	62·9	50·1	56·2	—	4	0·39	10	—	West Witton ..	•	•	•	0	37	51·9	—	51·4	—
p Scarborough	118	74	26th	49	28th	65·6	52·4	58·7	+ 5·1	3	1·18	30	+ 17	Scarborough† ..	3·4	- 0·7	29	•	•	•	•	55·5	—
p York	56	67	27, 28	43	28th	63·4	49·3	56·0	+ 2·9	4	0·66	17	+ 6	York	2·9	- 0·8	25	—	—	54·5	- 0·6	54·5	- 1·1
a Spurn Head	26	67	27th	50	26, 28, 29	60·9	51·3	55·9	+ 1·4	4	0·67	17	+ 7	Spurn Head ..	•	•	•	•	•	•	•	•	•
b, South .. a Lincoln	58	68	26, 27	45	28th	64·6	49·3	56·6	+ 3·0	4	0·51	13	+ 2	Lincoln	•	•	•	0	45	55·4	+0·7	55·0	- 1·0
a Fulbeck	180	70	26, 27	42	28th	65·0	46·7	55·4	+ 1·7	4	0·54	14	+ 3	Fulbeck	5·1	+ 0·7	43	0	41	—	—	—	—
														Skegness ..	4·4	- 0·4	37	•	•	•	•	•	•
3. ENGLAND, E.																					
p Cromer	196	64	1, 2	47	28th	61·9	50·0	55·7	+ 1·0	5	0·58	15	+ 2	Cromer	4·7	- 0·1	39	•	•	•	•	•	•
a Little Massingham ..	277	67	27th	45	28th	63·9	49·0	56·1	+ 2·7	4	0·40	10	- 6	Lit. Massingham	4·3	- 0·1	36	•	•	•	•	•	•
a Yarmouth	13	68	26th	49	28th	62·0	52·6	57·1	+ 2·6	3	0·28	7	- 8	Yarmouth ..	5·3	—	45	0	44	57·7	+1·0	57·0	- 1·4
a Norwich	93	68	26th	48	28th	64·6	52·4	58·2	+ 4·2	3	0·48	12	- 4	Norwich ..	5·0	—	42	0	44	57·1	•	•	•
a Geldeston	37	72	26th	43	28th	65·3	49·3	56·9	+ 2·7	3	0·30	8	- 6	Geldeston ..	5·7	+ 0·8	48	•	•	•	•	•	•
p Cambridge	41	69	28th	45	28th	65·3	48·6	56·6	+ 2·6	2	0·54	14	+ 2	Cambridge ..	4·2	- 0·5	35	0	35	57·5	+1·4	57·2	- 0·4
a Clacton-on-Sea ..	54	70	26th	50	27th	64·1	52·3	57·9	+ 2·9	3	0·63	16	+ 5	Clacton	6·2	+ 0·8	52	0	48	58·3	+1·3	57·8	- 0·3
a Rothamsted	420	66	27th	42	28th	62·4	48·6	55·2	+ 2·2	4	0·76	19	+ 4	Rothamsted ..	4·2	- 0·5	35	0	36	55·2	•	•	•
p Tottenham	51	67	26-28, 30	46	28th	65·1	52·9	58·7	—	2	0·86	22	—	Tottenham ..	4·0	—	34	0	45	•	•	58·4	- 0·7
														S'thend-on-Sea	5·6	—	47	0	46	59·5	+0·5	—	—
4. MIDLAND COUNTIES.																					
a North .. a Harrogate	479	67	27th	42	2nd	60·9	49·4	54·9	+ 3·6	4	0·22	6	- 7	Harrogate ..	2·9	- 1·1	24	0	32	53·2	+0·3	52·9	- 0·6
p Sheffield	429	69	27th	44	28th	62·3	49·1	55·4	—	5	0·43	11	—	Sheffield.. ..	3·8	+ 0·2	32	0	38	52·7	-1·1	53·1	- 1·2
p Buxton	987	66	27th	39	28th	59·4	46·4	52·6	—	3	0·34	9	- 12	Buxton	3·5	—	29	0	35	52·9	+0·6	53·0	- 0·8
b, East .. a Worksop	56	70	26th	38	28th	64·0	44·1	53·6	+ 1·0	4	0·55	14	+ 3	Worksop ..	3·4	- 0·2	28	0	35	54·1	—	53·6	—
a Nottingham	82	69	27th	43	28th	63·4	46·7	54·7	+ 1·8	3	0·31	8	- 3	Nottingham ..	3·1	- 0·7	26	0	41	54·0	0·0	54·7	- 1·4
p Birmingham, Edgbn.	525	67	27th	44	28th	62·6	48·4	55·2	+ 2·3	3	0·68	17	+ 5	Birmingham ..	2·4	- 0·9	20	0	32	52·7	+0·2	52·0	- 1·0
a Raunds	203	68	27th	42	28th	64·7	47·4	55·6	+ 1·9	3	0·46	12	+ 2	Raunds	4·9	—	42	0	40	56·7	—	55·4	—
p Oxford	208	68	27th	44	28th	64·1	48·4	55·9	+ 2·1	3	0·61	15	+ 3	Oxford	3·5	- 1·0	29	0	40	•	•	•	•
														Malvern ..	2·8	—	24	0	40	55·4	—	56·1	—
a Cheadle (N. Staffs.) ..	646	65	27th	43	28th	60·1	46·6	53·0	+ 1·4	3	0·75	19	+ 4	Cheadle	•	•	•	0	39	•	•	•	•
c, West .. p Tenbury	313	66	27th	40	28, 2	62·0	43·1	52·1	- 0·3	3	0·49	12	+ 2	Tenbury	•	•	•	0	36	54·8	—	—	—
a Hereford	291	66	26th	40	2nd	61·7	43·0	51·9	- 0·9	5	0·74	19	+ 7	Ross-on-Wye ..	3·5	—	30	0	39	56·0	—	56·9	—
a Clifton	225	65	29th	45	28th	60·4	49·9	54·9	0·0	3	0·99	25	+ 9	Clifton	2·2	—	19	0	43	•	•	•	•
5. ENGLAND, S.E.																					
a Marlborough	424	66	26, 27, 29	40	28th	62·7	45·3	53·6	+ 1·5	3	0·53	13	- 2	Worthing ..	5·2	- 0·2	44	0	43	57·9	+0·7	58·1	- 0·5
p Wilton Ho.*	180	69	26th	42	30th	63·4	46·4	54·5	+ 0·9	3	0·74	19	+ 4	Marlborough ..	2·2	- 1·9	18	0	36	55·6	—	55·0	—
a Wisley, Surrey ..	150	70	27th	46	27, 1	65·4	49·4	57·0	+ 3·2	3	0·61	16	+ 2	Wilton Ho. ..	•	•	•	0	39	56·7	•	•	•
a Tunbridge Wells ..	354	71	26th	45	1st	64·9	49·6	56·9	+ 2·6	3	0·85	22	+ 6	Wisley	4·5	- 0·1	37	0	34	56·7	+0·8	56·3	- 0·8
a Margate	51	69	26th	49	1st	63·6	54·1	58·6	+ 2·2	4	0·48	12	- 1	Tunbridge Wells	4·9	- 0·9	34	0	37	57·6	+0·6	57·0	—
														Margate	4·9	+ 0·1	41	0	47	59·6	+3·1	59·1	+1·5
a Dungeness	21	67	26, 27	49	27-29	63·6	52·4	57·7	+ 1·8	3	0·43	11	- 4	Folkestone ..	5·3	—	45	•	•	•	•	55·0	—
p St. Leonards	178	68	26th	49	1st	63·9	53·4	58·4	+ 2·4	4	0·90	23	+ 7	St. Leonards ..	4·8	- 0·5	40	0	43	58·7	—	58·1	—
p Southampton	64	70	26th	47	1st	64·3	50·0	56·8	+ 0·9	3	0·91	23	+ 7	Southampton ..	3·8	- 1·1	32	0	35	•	•	•	•
a Ventnor	59	66	26th	53	28, 2	62·0	54·3	58·0	+ 0·8	3	0·88	22	+ 5	Ventnor	2·9	- 2·2	24	•	•	•	•	•	•
LONDON. a Richmond Kew Obs.)	18	68	30th	46	27, 1	64·3	49·7	56·7	+ 2·2	3	1·15	29	+ 17	Richmond ..	3·6	- 0·7	31	0	38	56·3	+0·8	55·9	- 0·7
a Westminster	27	69	27th	48	1st	65·0	52·5	58·7	+ 2·9	3	0·74	19	+ 8	Westminster ..	3·6	0·0	30	0	41	•	•	•	•
ag Greenwich	149	69	26, 30	45	1st	65·9	50·6	57·9	+ 2·6	3	0·90	23	+ 11	Greenwich ..	4·4	- 0·1	37	0	37	•	•	•	•
a Hampstead	450	67	27th	47	1st	63·3	51·0	56·9	—	3	1·10	28	—	Hampstead ..	3·9	—	33	—	—	•	•	•	•
ag Camden Square ..	110	70	27, 30	46	1st	66·4	50·9	58·3	+ 2·5	3	0·81	21	+ 9	Camden Square	—	—	—	0	42	•	•	•	•
7. a, ENGLAND, N.W.																					
p Aspatria (Mealsgate)	487	64	28, 30	46	2nd	60·6	51·0	55·6	+ 3·7	4	0·14	4	- 19	Aspatria.. ..	5·1	+ 1·0	43	0	44	53·6	+1·0	52·6	- 1·4
p Newton Rigg	559	64	26, 30	49	2nd	61·7	51·4	56·3	+ 5·5	2	0·04	1	- 18	Newton Rigg ..	3·7	0·0	31	—	—	—	—	—	—
p Stonyhurst	376	66	28th	43	28th	60·6	48·0	54·0	+ 2·0	3	0·54	14	- 12	Stonyhurst ..	3·3	- 0·4	27	0	39	•	•	•	•
p Blackpool	66	66	26, 28, 30	42	2nd	63·6	48·6	55·7	+ 2·3	4	1·12	28	+ 8	Blackpool ..	4·0	- 0·2	34	0	36	54·6	—	54·2	—
a Southport	37	67	26th	43	2nd	63·0	48·6	55·5	+ 2·2	3	0·80	20	+ 1	Southport ..	4·7	+ 0·6	39	0	34	54·7	- 0·2	56·1	- 0·7
														Hoylake ..	5·1	+ 1·2	43	•	•	•	•	•	•
a Liverpool(Bidston) ..	188	67	26th	46	26, 2	62·0	48·4	54·9	+ 1·1	3	1·14	29	+ 12	Liverpool ..	4·1	—	34	0	39	•	•	•	•
a Hawarden Bridge ..	22	69	26, 27	41	28th	63·6	46·6	54·7	+ 0·5	3	0·66	17	+ 3	Manchester(City)	3·9	+ 0·8	33	0	44	54·8	0·0	55·8	- 1·3
p Manchester (Whit. Pk.)	125	71	28th	45	28th	64·6	50·6	57·3	+ 3·3	3	0·50	13	- 4	Whitworth Park	4·2	+ 1·2	35	•	•	•	•	•	•
b, NORTH WALES.																					
p Llandudn	22	67	26, 28	44	2nd	63·1	50·3	56·4	+ 1·5	3	0·74	19	+ 2	Llandudno ..	5·7	+ 1·4	48	•	•	•	•	•	•
a Holyhead ..	10	67	29th	44	2nd	60·4	51·0	55·5	+ 0·9	5	1·20	31	+ 12	Holyhead ..	3·0	—	26	0	35	•	•	•	•
a Aberdovey	60	67	28th	48	2nd	62·9	53·4	57·9	—	2	0·85	22	—	Aberdovey ..	3·5	- 1·0	29	•	•	•	•	•	•

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
a Aberystwyth	16	66	29th	45	2nd	62·0	51·4	56·5	—	4	0·78	20	—	Aberystwyth ..	3·6	- 0·7	30	•	•	•	•	•	•
a Rhayader	757	64	26th	38	2nd	60·4	45·7	52·7	—	3	1·13	29	—	Rhayader ..	3·3	—	27	0	31	•	•	•	•
a St. Ann's Head ..	149	61	26, 28, 29	47	2nd	58·9	53·4	56·0	+ 1·0	4	0·87	22	+ 2	St. Ann's Head ..	3·1	- 1·1	26	•	•	•	•	•	•
p Cardiff	202	64	29th	46	2nd	59·7	50·9	55·1	+ 1·3	3	1·05	27	+ 4	Cardiff	1·7	—	14	0	37	56·8	+ 1·3	56·5	-0·3
b, ENGLAND, S.W.																							
a Bath	66	66	29th	43	28th	61·9	47·6	54·4	+ 0·2	3	0·75	19	+ 4	Bath	2·1	— 2·2	17	—	—	57·1	-0·9	57·9	-1·1
a Shaftesbury	722	66	26th	46	1st	60·3	48·7	54·2	+ 0·7	3	0·63	16	- 2	Shaftesbury ..	•	•	•	•	•	56·3	—	56·5	—
a Arlington	613	64	29th	44	2nd	59·7	50·4	54·8	+ 1·6	4	1·10	28	- 2										
a Newquay	190	64	29th	49	1st	60·7	53·5	56·9	+ 1·0	4	1·95	50	+ 30	Newquay ..	3·9	- 0·6	33	—	—	57·5	—	57·0	—
a Cullompton	202	69	26th	40	1st	63·6	48·1	55·5	+ 1·5	4	0·68	17	- 1	Cullompton ..	2·1	- 1·8	18	0	35	56·4	•	•	•
a Portland Bill	19	62	29th	53	27th	60·4	54·6	57·4	+ 0·9	3	0·47	12	- 3	Weymouth ..	2·3	—	20	•	•	•	•	•	•
p Plymouth	116	66	29th	49	2nd	62·1	54·3	58·0	+ 2·4	3	0·84	21	+ 3	Plymouth ..	3·3	- 1·1	28	0	45	57·8	+ 0·6	57·1	—
a Falmouth	167	64	29th	48	26, 2	60·6	51·9	56·0	+ 0·5	4	1·86	47	+ 25	Falmouth ..	3·5	- 1·1	29	0	41	59·9	—	59·7	—
9. IRELAND, N.																							
a West .. *a* Malin Head	208	66	26th	46	2nd	59·9	50·7	55·1	+ 2·0	3	0·71	18	- 1	Malin Head ..	2·7	—	23	•	•	•	•	•	•
a Blacksod Point	10	62	26, 28	44	2nd	59·4	51·9	55·5	+ 1·5	6	2·32	59	+ 30	Mallarany ..	3·4	—	29	0	37	—	—	•	•
a Mallarany	120	66	29th	44	2nd	60·3	50·7	55·3	—	6	2·52	64	—	Markree Castle	3·3	+ 0·1	28	0	33	56·3	+ 0·6	55·1	-0·7
p Markree Castle ..	122	67	26th	40	2nd	62·6	46·0	53·9	+ 2·2	5	0·62	16	- 8										
b, East .. *p* Armagh	204	68	26th	38	2nd	61·6	50·4	55·7	+ 3·6	3	0·57	14	- 3	Armagh	3·3	- 0·1	28	0	34	55·6	+ 0·4	54·4	-1·1
a Donaghadee	35	65	26th	42	2nd	59·7	52·3	55·8	+ 2·7	3	1·46	37	+ 20										
10. IRELAND, S.																							
p Dublin, City	54	67	26th	42	2nd	60·9	52·0	56·2	+ 2·1	3	1·18	30	+ 17	Trinity Coll. ..	2·3	—	19	0	32	56·0	+ 0·4	55·2	-0·7
a Birr Castle	175	68	26th	42	2nd	62·6	52·1	57·1	+ 4·8	5	0·20	5	- 10	Phœnix Park ..	2·8	- 1·3	23	0	31	•	•	•	•
a Kilkenny	195	66	26th	38	2nd	61·7	51·4	56·3	+ 3·4	4	0·52	13	- 3	Dublin City ..	•	•	•	0	37	•	•	•	•
a Waterford	137	63	27, 29	44	1st	60·4	52·7	56·4	+ 2·4	4	0·29	7	- 12	Birr Castle ..	4·6	+ 1·0	39	0	34	•	•	•	•
p Seskin, Carrick-on-Suir	542	64	26th	44	30, 1, 2	60·1	49·9	54·8	—	4	1·05	27	—	Seskin	4·1	—	34	0	35	•	•	•	•
a Cahir	199	64	26, 27, 29	41	1, 2	61·3	50·6	55·7	+ 2·6	5	1·26	32	—										
a Foynes	50	68	26th	43	1st	62·1	50·9	56·2	+ 2·3	5	1·61	41	+ 22										
a Cahirciveen (Val. Obs.)	30	66	29th	43	2nd	60·4	52·4	56·2	+ 1·3	6	2·87	73	+ 45	Cahirciveen ..	2·1	- 1·7	18	0	34	•	•	•	•
a Killarney	174	67	26th	39	2nd	63·0	53·8	58·2	+ 3·8	7	3·27	83	+ 58	Ballinacurra ..	3·5	- 0·3	29	•	•	•	•	•	•
a Roche's Point	32	62	27, 29	45	2nd	59·9	53·9	56·8	+ 1·9	5	1·26	32	+ 12										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	61	26, 29, 1	52	2nd	60·0	54·1	56·9	- 0·1	5	0·95	24	+ 5	Scilly	5·6	+ 1·0	47	•	•	•	•	•	•
a Jersey, St. Aubins ..	25	70	29th	50	27th	63·4	54·3	58·6	+ 0·5	3	1·10	28	+ 8	St. Heliers ..	3·3	- 1·8	28	•	•	•	•	•	•
a Guernsey (Villa Carey)	180	71	29th	52	27th	63·7	54·4	58·8	+ 0·6	4	0·94	24	+ 2	Guernsey† ..	4·4	- 0·8	37	0	45	58·9	- 0·2	59·5	-0·9

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 2nd, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	-	28 to 1	38	83	39	8	0	120	13	30	17	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	—	—	—	12	140	16	0	170	6	27	15	13	1	12	5
Aberdeen (Cup Anr.)¶ ..	153	105	52	—	—	—	—	49	110	9	0	100	10	1	16	—	—	—	—
Edinburgh	485	39	31	—	—	27	9	29	91	39	0	200	16	27	15	24	27	14	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	—	27	6	70	53	39	0	200	12	27	14	18	27	13	45
Paisley	188	81	15	—	—	—	—	20	124	24	0	190	9	27	10	19	27	10	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	—	—	—	4	88	76	0	170	6	1	20	11	1	20	50
South Shields	72	81	12	—	—	—	—	13	103	52	0	150	10	1	18	12	1	17	45
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	—	1, 2	15	23	82	48	0	190	12	1	18	17	1	20	10
Shoeburyness	103	90	‡	—	—	1	4	27	59	56	22	190	13	1	13	16	1	12	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	—	—	—	29	96	43	0	—	10	1	12	18	1	11	15
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	—	—	—	14	78	76	0	200	8	2	14	14	2	14	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	—	1	1	35	118	14	0	170	11	1	18	—	—	—	—
Southport	80	62	48	—	—	—	—	65	96	7	0	230	11	1	18	17	1	14	35
Holyhead	60	40	‡	—	—	—	—	80	66	8	14	150	10	2	24	15	27	15	40
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	—	28 to 2	26	70	62	10	0	180	16	1	3	23	1	2	5
Plymouth	185	88	2	1	1	1, 2	9	82	69	7	0	—	18	1	5	23	1	5	15
Lyme Regis	556	61	‡	—	—	1	2	10	47	109	0	—	15	1	7	21	1	7	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	—	27	8	70	67	23	0	200	16	27	13	—	—	—	—
Quilty	100	40	‡	—	—	28, 29	28	53	48	39	0	—	15	29	12	19	28	14	35
Cahirciveen, (Val. Obs.)	98	41	‡‡‡‡	—	—	26 to 29, 2	47	48	50	23	0	140	14	28	24	25	28	23	35
Weaver Pt.	160	30	‡‡‡‡	2	1	29, 30, 2	14	95	51	7	0	—	18	2	24	22	2	23	50
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	30	1	50	70	37	10	100	11	30	10	16	30	10	5

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

THIRTY-NINTH WEEK of 1920—September 26th to October 2nd, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	69	42	88·6	82·9	85·6	+ 2·5	89	+ 30	0	− 2	4	− 1	0·63	16	− 10	3·1	+0·2	26	1011
Eastern.																			
1. SCOTLAND, EAST ...	71	39	88·7	83·3	85·9	+ 2·6	92	+ 30	0	− 2	4	0	0·69	18	+ 3	2·9	−0·5	25	1012
2. ENGLAND, N.E.	74	40	89·9	82·8	86·2	+ 1·6	97	+ 21	0	0	4	0	0·68	17	+ 5	3·6	−0·6	30	1014
3. ENGLAND, EAST ...	72	42	90·7	83·3	86·8	+ 1·6	104	+ 20	0	0	3	0	0·53	14	0	4·8	+0·1	41	1015
4. MIDLAND COUNTIES ...	70	38	89·9	81·2	85·3	+ 0·7	85	+ 8	0	− 1	3	0	0·58	15	+ 2	3·1	−0·9	26	1014
5. ENGLAND, S.E.	71	40	90·7	83·3	86·8	+ 0·9	104	+ 12	0	0	3	0	0·75	19	+ 4	4·1	−0·8	35	1014
Western.																			
6. SCOTLAND, WEST ...	68	44	89·2	84·2	86·6	+ 2·5	102	+ 32	0	− 1	3	− 1	0·60	15	− 11	3·4	0·0	29	1012
7. ENGLAND, N.W.	71	41	89·8	82·7	86·1	+ 1·3	102	+ 23	0	0	3	− 1	0·66	17	− 3	4·4	+0·6	37	1012
8. ENGLAND, S.W.	69	38	89·0	83·3	86·0	+ 0·5	94	+ 6	0	− 1	3	− 1	0·94	24	+ 3	3·1	−1·0	26	1013
9. IRELAND, NORTH ...	68	38	89·1	83·3	86·1	+ 1·7	95	+ 22	0	0	4	− 1	0·98	25	+ 3	3·3	0·0	28	1007
10. IRELAND, SOUTH ...	68	38	89·3	84·2	86·7	+ 1·5	102	+ 19	0	0	5	+ 1	1·38	35	+ 16	3·1	0·0	26	1008
11. ENGLISH CHANNEL ...	71	50	89·9	85·4	87·5	+ 0·2	113	+ 3	0	0	4	0	1·00	25	+ 6	4·4	−0·6	37	1013

THE SEASON (Autumn).—Aggregates, &c., for the Period of 5 Weeks, August 29th to October 2nd, 1920.

0. SCOTLAND, NORTH ...	69	31	87·3	80·8	83·9	− 0·2	338	− 16	0	−2	22	− 1	4·08	104	− 15	3·8	+0·3	29	1013
Eastern.																			
1. SCOTLAND, EAST ...	71	28	87·9	80·3	83·9	− 0·5	351	− 27	8	+5	19	0	2·67	68	− 4	3·5	−0·6	27	1014
2. ENGLAND, N.E.	74	32	89·6	81·5	85·4	− 0·3	431	− 22	0	0	17	+ 1	1·96	49	− 5	3·6	−1·0	28	1016
3. ENGLAND, EAST ...	75	34	90·4	82·5	86·2	− 0·4	485	− 26	0	0	19	+ 4	2·73	71	+ 13	3·5	−1·7	28	1016
4. MIDLAND COUNTIES ...	75	30	90·1	81·2	85·4	− 0·6	434	− 37	0	−2	15	0	2·31	59	− 1	3·4	−1·2	26	1017
5. ENGLAND, S.E.	76	32	90·9	82·7	86·6	− 0·6	506	− 38	0	0	15	0	3·09	79	+ 14	3·8	−1·7	30	1017
Western.																			
6. SCOTLAND, WEST ...	69	28	88·6	82·0	85·1	+ 0·1	418	+ 7	2	+1	21	+ 3	3·93	99	− 16	3·9	−0·4	30	1015
7. ENGLAND, N.W.	74	37	89·2	82·2	85·5	− 0·5	446	− 19	0	0	18	0	3·19	82	− 4	4·4	−0·1	34	1016
8. ENGLAND, S.W.	75	34	90·1	82·6	86·1	− 0·5	477	− 33	0	−1	14	− 4	2·83	72	− 16	4·3	−0·7	34	1017
9. IRELAND, NORTH ...	70	30	89·2	82·1	85·5	+ 0·1	436	+ 4	0	0	24	+ 2	3·61	91	0	3·7	−0·1	29	1013
10. IRELAND, SOUTH ...	71	31	90·0	82·7	86·2	0·0	484	+ 3	2	+2	21	+ 2	3·20	82	− 4	4·1	−0·3	32	1016
11. ENGLISH CHANNEL ...	75	47	90·5	85·3	87·8	− 0·5	581	− 31	0	0	15	− 2	3·94	100	+ 28	5·0	−1·1	39	1018

THE YEAR 1920.—Aggregates, &c., for the Period of 39 Weeks, January 4th to October 2nd, 1920.

0. SCOTLAND, NORTH ...	79	19	84·7	78·3	81·4	+ 0·3	1788	− 29	387	−154	179	0	42·78	1087	+208	4·0	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·4	77·9	81·5	+ 0·1	1897	−132	464	−156	162	+10	24·76	628	+ 76	4·2	0·0	31	1010
2. ENGLAND, N.E.	79	24	86·7	79·3	82·9	+ 0·6	2432	+106	280	−192	150	+14	20·88	532	+ 91	4·1	−0·5	31	1013
3. ENGLAND, EAST ...	84	20	87·9	79·8	83·7	+ 0·8	2789	+120	270	−224	136	+ 5	17·27	442	+ 19	4·7	−0·3	35	1015
4. MIDLAND COUNTIES ...	82	20	87·7	79·4	83·3	+ 0·6	2586	− 13	263	−261	154	+24	24·46	621	+140	3·7	−0·8	28	1015
5. ENGLAND, S.E.	81	17	88·0	80·4	84·0	+ 0·5	2899	+ 67	166	−213	135	+ 8	20·63	527	+ 70	4·5	−0·7	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·7	79·3	82·4	+ 0·2	2181	− 41	271	−146	188	+29	39·14	995	+ 81	3·7	−0·7	28	1012
7. ENGLAND, N.W.	81	22	86 3	80·2	83·1	+ 0·4	2456	+ 33	187	−195	171	+27	32·85	835	+222	3·7	−0·8	28	1013
8. ENGLAND, S.W.	78	17	87·0	80·5	83·6	+ 0·3	2648	− 19	131	−171	161	+18	30·29	768	+118	4·1	−0·9	31	1016
9. IRELAND, NORTH ...	77	23	86·1	79·4	82·6	0·0	2287	− 22	241	− 99	196	+20	29·69	754	+ 75	3·6	−0·4	27	1011
10. IRELAND, SOUTH ...	78	22	86·9	80·3	83·5	+ 0·1	2596	− 58	147	−113	185	+30	31·86	809	+106	3·9	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·5	82·5	84·9	+ 0·3	3159	+112	20	− 85	136	−10	21·81	552	+ 25	5·2	−0·7	40	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 8th October, 1920.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. *Vol. XXXVII. (New Series.)* } No. 40.

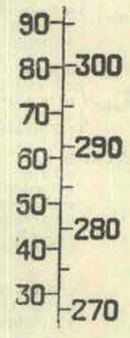
FORTIETH WEEK,

SUNDAY, OCTOBER 3RD, TO SATURDAY, OCTOBER 9TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

For the first three or four days of the week a depression was lying off our south-western coasts, while pressure was high over the Scandinavian region. On Sunday strong winds or gales were experienced in the west and north, and on all three days heavy rain fell in Scotland and Ireland and the north of England. Thunder and lightning occurred in various districts, particularly over the eastern half of Ireland on Wednesday. Towards the close of the week conditions became anticyclonic and fine weather was general. Over England E. the depression in the west had no influence and the weather was fine throughout. Highest maxima of 294 a and above were reported from all parts of Great Britain on the three later days, the highest of all being 296 a at a few places in England E. and England S.E. The nights were mostly very warm, in some instances the thermometer did not go below 284 a all the week—in fact the nights would have been seasonable in July. Readings of 273 a or slightly below were recorded by the grass minimum thermometers over Scotland and England N.E. Rainfall was deficient in Scotland N., England E., England S.E. and the Channel Islands, but in excess of the normal elsewhere. The Observer at Aberdeen remarks:—"As a result of the continued heavy rainfall since 1st October, serious "flooding occurred in the Dee Valley, involving considerable damage and material loss. According to report the flooding was "more extensive than the previous worst flood on record, which occurred in 1829." 38mm. fell at Crathes on the 4th and on the same day 41mm. at Balmoral. In the east and south of Ireland also the rainfall was abnormally heavy, on the four days (3rd to 6th) 64mm. fell in the Dublin area, 67mm. at Waterford, 74mm. at Seskin (Carrick-on-Suir), and 75mm. at Kilkenny. Bright sunshine records varied greatly in the different districts; at some stations round the east and south-east coast of England it exceeded 50 per cent. of the possible duration, at Margate it was as high as 63 per cent., while at Bath it was only 15 per cent. and at Marlborough 17 per cent. Solar halos were seen at Ross-on-Wye and Oxford on the 3rd and 5th and again at Oxford on the 7th and 8th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	26	6·3	17	4·1	16	4·9	10	3·5	16	6·0	—	—	15	6·5	14	7·2
North	1	0·6	1	2·3	11	2·4	8	2·6	6	3·1	—	—	7	1·7	6	3·8
West	4	5·4	5	2·7	2	1·7	0	—	3	1·7	—	—	6	2·6	5	1·5
East	22	9·0	15	3·4	24	3·6	18	3·4	18	4·0	—	—	17	4·0	16	3·6
Calm	0	—	8	—	1	—	9	—	4	—	—	—	5	—	6	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Unusual	Unusual
	Rainfall ...	Light	Heavy	Heavy	Very Light	Heavy	Moderate	Heavy	Moderate	Heavy	Heavy	Heavy	Moderate
	Sunshine ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 6 weeks from August 29th, 1920.	Warmth ...	2, 2, 2	2, 1, 3	2, 2, 2	2, 2, 2	2, 2, 2	2, 2, 2	2, 3, 1	2, 2, 2	1, 3, 2	3, 1, 2	3, 2, 1	1, 3, 2
	Rainfall ...	1, 2, 3	2, 2, 2	3, 1, 2	2, 1, 3	2, 1, 3	2, 2, 2	2, 2, 2	1, 4, 1	2, 1, 3	2, 3, 1	3, 1, 2	3, 1, 2
	Sunshine ...	3, 3, 0	1, 2, 3	0, 3, 3	0, 2, 4	0, 2, 4	0, 2, 4	0, 4, 2	2, 3, 1	1, 2, 3	2, 1, 3	1, 2, 3	0, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30335—19) Wt. 24—561/P25 500 10/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of R in-Days	Rainfall in the Week. in.	mm.	Deviation from Normal. mm.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.
0. SCOTLAND, N.													
a, Islands.. a Lerwick	54	56	8th	43	3rd	52·9	47·7	50·2	+ 1·8	4	0·18	5	- 20
p Deerness, Orkney ..	165	57	8th	49	9th	55·6	50·6	53·0	—	5	0·31	8	- 16
a Stornoway	51	62	9th	48	6th	59·0	50·6	54·7	+ 5·6	5	1·38	35	+ 2
a Castlebay, Barra I. ..	37	59	4–6	51	3rd	57·6	53·1	55·3	—	3	1·19	30	—
b, Mainland. a Wick	81	57	7, 9	48	8th	55·4	51·0	53·1	+ 4·1	4	0·37	9	- 10
a Strathpeffer	125	65	6th	38	9th	60·1	46·3	53·0	+ 4·0	4	0·80	20	+ 3
p Glencarron	500	65	9th	40	9th	60·7	48·6	54·5	+ 6·2	4	0·89	23	- 33
a Fort Augustus.. ..	60	62	8th	37	9th	59·6	48·4	53·8	+ 4·5	4	0·48	12	- 14
p Fort William	171	63	5, 6, 8	41	9th	61·4	49·3	55·3	+ 5·1	5	1·65	42	- 5
1. SCOTLAND, E.													
a Nairn	82	62	8th	39	9th	59·9	47·0	53·3	+ 4·6	4	0·13	3	- 11
p Gordon Castle	101	70	9th	43	9th	60·7	48·7	54·5	+ 4·9	4	0·67	17	0
a Aberdeen	46	61	7th	45	8th	56·9	50·0	53·4	+ 3·7	5	0·84	21	+ 5
a Balmoral	930	66	9th	35	9th	58·0	44·9	51·3	+ 5·2	5	2·83	72	+ 53
p Crieff	432	63	8th	39	9th	58·7	46·6	52·5	+ 2·9	4	1·63	41	+ 20
a Dundee	244	64	7th	38	9th	58·4	45·9	52·0	+ 2·5	6	1·77	45	+ 30
a Leith	30	64	7th	42	8th	59·1	47·9	53·3	+ 2·2	6	0·57	15	+ 2
p Edinburgh	441	61	7th	44	3, 9	58·3	49·0	53·5	+ 3·6	4	0·52	13	- 1
a West Linton	769	68	9th	31	8th	59·9	47·0	53·3	+ 6·7	5	0·85	22	—
p Marchmont	498	67	8th	40	3rd	59·6	46·9	53·1	+ 4·3	5	1·61	41	+ 22
6. a. SCOTLAND, W.													
a Ford (Argyll)	149	63	9th	40	9th	61·2	47·3	54·0	—	4	2·16	55	—
p Glasgow Observatory	180	61	7th	41	8th	59·0	49·0	53·9	+ 3·9	4	1·39	35	+ 15
a Renfrew	49	61	7th	37	8th	59·9	47·4	53·5	—	3	1·06	27	—
p Rothesay	200	60	8, 9	43	8th	58·6	49·6	54·0	+ 3·4	5	2·47	63	+ 37
a Kilmarnock	90	71	9th	38	8th	63·3	47·9	55·4	+ 6·1	4	1·21	31	+ 10
a Colmonell	170	64	5, 9	37	8th	61·3	48·9	54·9	+ 4·4	4	3·10	79	+ 54
p Dumfries	180	67	9th	40	8th	62·7	48·6	55·4	+ 5·0	5	2·19	56	+ 36
a Eskdalemuir	794	67	9th	36	8th	60·4	45·7	52·8	—	5	1·69	43	—
b, I. OF MAN p Douglas	277	63	8th	44	8th	59·9	51·7	55·7	+ 4·2	5	1·73	44	+ 19
2. ENGLAND, N.E.													
a North .. a Alnwick Castle ..	210	66	7th	42	9th	58·4	48·0	53·1	+ 3·2	3	1·47	37	+ 19
a Tynemouth .. .	118	65	7th	46	3rd	57·1	50·0	53·5	+ 2·9	4	1·24	32	+ 17
p Durham	336	66	7th	40	8th	60·9	47·6	54·1	+ 4·2	5	0·99	25	+ 9
p Rounton	249	69	6th	42	8th	62·6	49·0	55·6	+ 6·0	4	1·23	31	+ 16
a West Witton	605	67	7th	43	3, 8	60·9	48·6	54·6	—	4	1·81	46	—
p Scarborough	118	70	7th	45	3rd	63·6	51·7	57·5	+ 5·6	3	0·62	16	0
p York	56	68	6th	43	3rd	61·7	51·0	56·2	+ 5·0	4	1·29	33	+ 19
b, South .. a Spurn Head	26	65	3rd	48	3rd	60·1	52·0	55·9	+ 3·1	4	0·21	5	- 7
a Lincoln	58	72	7th	43	3rd	64·9	51·7	58·1	+ 6·5	2	0·27	7	- 6
a Fulbeck	180	71	7th	43	3rd	63·6	50·7	57·0	+ 5·3	5	0·34	9	- 4
3. ENGLAND, E.													
p Cromer	196	74	7th	45	3rd	65·3	52·0	58·5	+ 5·6	2	0·04	1	- 11
a Little Massingham ..	277	71	7th	42	3rd	66·9	50·6	58·5	+ 7·0	1	0·01	0·3	- 15
a Yarmouth	13	65	7th	50	3rd	62·3	54·9	58·5	+ 5·7	1	0·01	0·2	- 14
a Norwich	83	72	7th	45	3rd	67·4	53·3	60·1	+ 8·0	0	0·00	0	- 15
a Geldeston	37	74	7th	44	7th	67·4	52·3	59·6	+ 7·2	0	0·00	0	- 13
p Cambridge	41	73	8th	40	7th	69·0	51·7	60·1	+ 8·1	1	0·01	0·3	- 11
a Clacton-on-Sea ..	54	68	8th	53	3rd	64·3	56·9	60·5	+ 7·2	0	0·00	0	- 10
a Rothamsted	420	69	8, 9	43	3rd	66·3	51·0	58·4	+ 7·2	3	0·36	9	- 5
p Tottenham	61	72	8th	46	3rd	68·1	54·7	61·2	—	1	0·08	2	—
4. MIDLAND COUNTIES.													
a North .. a Harrogate	479	65	5–7	41	3rd	61·4	49·3	55·2	+ 5·6	5	1·00	26	+ 11
a Sheffield	429	68	7th	42	3rd	62·6	50·9	56·6	—	5	0·90	23	—
p Buxton	987	66	8th	41	8th	60·7	48·3	54·3	—	4	1·06	27	+ 3
b, East .. a Worksop	56	70	7th	40	3rd	65·1	48·9	56·8	+ 6·0	4	0·81	21	+ 9
a Nottingham	82	72	7th	41	3rd	64·4	49·1	56·5	+ 5·5	4	0·63	13	+ 1
p Birmingham, Edgbsn.	125	70	7th	43	3rd	63·4	51·1	57·1	+ 6·0	5	1·49	38	+ 25
a Raunds	208	73	7th	42	3rd	66·4	50·7	58·3	+ 6·8	2	0·29	7	- 5
p Oxford	208	70	7th	45	3rd	65·7	51·9	58·6	+ 6·7	5	0·46	12	- 1
a Cheadle (N. Staffs.) ..	640	68	8th	41	3rd	61·7	49·7	55·5	+ 5·7	3	1·10	28	+ 12
p Tenbury	313	69	7th	43	7, 8	64·0	49·9	56·7	+ 6·1	5	1·20	30	+ 18
c, West .. a Hereford	291	66	5, 6	42	3rd	62·1	49·0	55·4	+ 4·4	6	0·97	25	+ 11
a Clifton	25	67	5, 8	44	3rd	61·1	52·3	56·6	+ 3·7	4	0·85	22	+ 4
5. ENGLAND, S.E.													
a Marlborough .. .	424	68	7, 9	40	3rd	63·9	49·6	56·5	+ 6·3	4	0·94	24	+ 6
p Wilton Ho.*	150	68	9th	41	3rd	63·9	49·9	56·7	+ 5·1	5	1·58	40	+ 20
a Wisley, Surrey ..	150	71	5, 7–9	46	3rd	68·1	53·4	60·5	+ 8·8	3	0·33	8	- 9
a Tunbridge Wells ..	354	73	9th	47	3rd	67·7	54·3	60·8	+ 8·4	2	0·04	1	- 19
a Margate	51	70	6th	50	3rd	66·7	56·6	61·5	+ 7·2	2	0·02	0·4	- 16
a Dungeness .. .	21	67	5, 6	53	9th	65·3	56·6	60·8	+ 6·8	0	0·00	0	- 18
p St. Leonards	118	71	9th	52	3rd	66·7	56·6	61·5	+ 7·4	4	0·19	3	- 17
p Southampton	64	71	9th	50	3rd	65·1	54·3	59·5	+ 5·6	3	1·23	31	+ 11
a Ventnor	59	71	9th	53	3rd	63·9	56·7	60·2	+ 4·7	5	0·99	25	+ 4
LONDON. a Richmond Kew Obs.)	18	71	5th	47	3rd	67·8	53·0	60·2	+ 7·8	1	0·11	3	- 12
a Westminster	27	73	7, 8	49	3rd	70·3	56·6	63·3	+ 9·6	1	0·10	3	- 10
ag Greenwich	142	73	5th	44	3rd	69·9	53·3	61·4	+ 7·6	3	0·07	2	- 11
a Hampstead	400	70	5, 9	47	3rd	66·9	54·1	60·3	—	3	0·20	5	—
ag Camden Square ..	110	74	5, 9	46	3rd	70·1	54·0	61·8	+ 8·4	3	0·15	4	- 10
7. a, ENGLAND, N.W.													
p Aspatria (Mealsgate)	457	68	9th	40	8th	62·3	50·9	56·4	+ 6·3	4	0·74	19	- 4
p Newton Rigg	600	68	9th	40	8th	61·7	48·1	54·7	+ 5·6	6	1·86	47	+ 27
p Stonyhurst	350	66	5, 8	40	3, 8	62·0	50·6	56·1	+ 5·8	3	0·65	17	- 9
p Blackpool	60	70	5th	45	3, 8	64·1	51·7	57·7	+ 6·1	4	0·57	14	- 7
a Southport	37	70	5th	44	3rd	63·0	50·6	56·8	+ 5·0	4	0·43	11	- 9
a Liverpool (Bidston) ..	155	69	5th	43	3rd	61·9	49·7	55·6	+ 3·6	3	1·22	31	+ 13
a Hawarden Bridge ..	22	71	5th	44	3rd	64·3	51·3	57·6	+ 5·2	4	1·36	35	+ 20
p Manchester (Whit. Pk.)	125	71	5, 8	43	8th	66·6	51·6	58·9	+ 6·6	3	0·79	20	+ 2
b, NORTH WALES.													
p Llandudno	22	69	5th	45	3rd	64·4	52·1	58·1	+ 4·8	4	0·72	18	- 1
a Holyhead ..	10	70	9th	44	3rd	62·9	51·7	57·1	+ 3·9	5	1·26	32	+ 11
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	hr.	hr.	%	°F.	°F.	°F.	°F	a)	°F
Deerness ..	2·6	- 0·2	23	—	—	—	—	—	—
Stornoway ..	2·4	- 0·7	21	—	—	—	—	—	—
astlebay ..	3·2	—	28	—	—	—	—	—	—
Nairn	3·4	—	30	—	—	—	—	—	—
Gordon Castle..	3·3	—	30	—	—	—	—	—	—
Aberdeen ..	2·5	- 1·1	22	0	36	—	—	51·7	+0·2
Balmoral ..	—	—	—	0	31	—	—	—	—
Crathes	2·7	- 0·7	24	0	32	53·3	+1·5	53·0	+0·3
Dundee	2·8	—	25	0	33	52·3	—	—	—
Leith	—	—	—	0	36	—	—	—	—
Edinburgh ..	3·9	+ 0·3	34	0	37	—	—	—	—
West Linton ..	3·4	—	30	1	30	—	—	—	—
Marchmont ..	2·8	- 0·4	25	—	—	—	—	—	—
Ford (Argyll) ..	—	—	—	0	32	54·0	—	53·8	—
Glasgow.. ..	1·9	- 0·6	17	0	32	—	—	—	—
Renfrew ..	2·3	—	20	0	32	—	—	—	—
Rothesay ..	1·9	—	17	0	39	53·1	—	53·0	+0·4
Kilmarnock .	2·4	—	21	—	—	53·6	—	53·2	—
Colmoneil ..	—	—	—	0	35	—	—	—	—
Dumfries ..	3·0	—	27	0	32	54·1	+2·2	53·7	-1·1
Eskdalemuir ..	3·0	—	26	0	31	—	—	—	—
Douglas	2·7	- 1·1	23	0	39	—	—	—	—
Cockle Park ..	3·2	- 0·4	28	0	36	52·0	+1·6	52·1	+0·3
Durham ..	3·6	+ 0·3	32	0	32	—	—	—	—
Rounton ..	—	—	—	0	37	54·7	—	—	—
West Witton ..	—	—	—	0	37	52·3	—	51·3	—
Scarborough† ..	3·4	- 0·4	29	—	—	—	—	55·6	—
York	3·8	+ 0·5	33	—	—	55·9	+1·6	54·4	-0·6
Spurn Head ..	—	—	—	—	—	—	—	—	—
Lincoln	—	—	—	0	43	55·6	+1·9	55·0	-0·3
Fulbeck ..	3·4	- 0·6	29	0	41	—	—	—	—
Skegness ..	3·9	- 0·4	34	—	—	—	—	—	—
Cromer	5·0	+ 1·1	44	—	—	—	—	—	—
Lit. Massingham	5·3	+ 1·7	47	—	—	—	—	—	—
Yarmouth ..	5·7	—	50	0	46	58·0	+2·6	57·0	-0·4
Norwich ..	5·5	—	48	0	38	56·5	—	—	—
Geldeston ..	6·2	+ 2·3	55	—	—	—	—	—	—
Cambridge ..	5·6	+ 1·8	49	0	32	57·7	+2·7	57·2	+0·3
Clacton	6·5	+ 2·3	57	0	49	58·6	+2·5	58·0	+0·6
Rothamsted ..	4·9	+ 1·1	43	0	34	55·3	—	—	—
Tottenham ..	4·1	—	36	0	33	—	—	58·4	+0·1
S'thend-on-Sea	6·4	—	56	0	48	60·3	+1·8	—	—
Harrogate ..	2·9	- 0·4	25	0	37	53·0	+0·8	52·8	-0·1
Sheffield.. ..	3·0	0·0	26	0	38	53·1	+0·1	53·0	-0·8
Buxton	2·8	—	25	0	37	52·6	+1·2	52·9	-0·3
Worksop ..	3·4	+ 0·5	30	0	31	54·2	—	53·7	—
Nottingham ..	3·1	0·0	27	0	38	55·1	+1·9	54·9	-0·6
Birmingham ..	2·7	+ 0·1	24	0	38	53·1	+1·1	52·0	-0·7
Raunds	3·4	—	29	0	40	55·7	—	—	—
Oxford	3·1	- 0·6	27	0	40	—	—	—	—
Malvern ..	2·3	—	21	0	37	55·0	—	55·7	—
Cheadle	—	—	—	0	38	—	—	—	—
Tenbury	—	—	—	0	36	54·5	—	—	—
Ross-on-Wye ..	2·2	—	20	0	40	55·8	—	56·4	—
Clifton	2·5	—	22	0	41	—	—	—	—
Worthing ..	4·0	- 0·4	35	0	47	58·1	+2·0	57·9	0·0
Marlborough ..	2·0	- 1·4	17	0	34	55·6	—	54·8	—
Wilton Ho. ..	—	—	—	0	38	56·7	—	—	—
Wisley	4·4	+ 0·7	39	0	34	56·6	+1·6	56·0	-0·5
Tunbridge Wells	4·7	+ 0·7	41	0	40	57·8	+1·6	57·0	—
Margate	7·2	+ 3·3	63	0	46	59·5	+4·2	59·1	+2·2
Folkestone ..	6·4	—	56	—	—	—	—	55·3	—
St. Leonards ..	5·7	+ 1·5	50	0	47	59·0	—	57·9	—
Southampton ..	2·6	- 1·4	22	0	40	—	—	—	—
Ventnor	2·9	- 1·2	25	—	—	—	—	—	—
Richmond ..	4·4	+ 1·0	39	0	37	56·5	+1·8	55·9	-0·1
Westminster ..	4·6	+ 1·9	41	0	41	—	—	—	—
Greenwich ..	5·2	+ 1·2	45	0	37	—	—	—	—
Hampstead ..	4·5	—	39	0	35	—	—	—	—
Camden Square	—	—	—	0	42	—	—	—	—
Aspatria.. ..	3·1	- 0·6	27	0	39	53·3	+2·2	52·9	-0·3
Newton Rigg ..	4·0	+ 0·7	35	—	—	—	—	—	—
Stonyhurst ..	3·5	+ 0·3	30	0	39	—	—	—	—
Blackpool ..	3·1	- 0·6	27	0	42	54·7	—	53·9	—
Southport ..	3·2	- 0·3	28	0	37	54·5	+0·9	55·5	-0·4
Hoylake	3·4	- 0·1	30	—	—	—	—	—	—
Liverpool ..	3·0	—	26	0	40	—	—	—	—
Manchester(City)	2·7	+ 0·1	23	0	43	55·1	+1·1	55·8	-0·7
Whitworth Park	3·6	+ 1·1	31	—	—	—	—	—	—
Llandudno ..	3·8	- 0·1	34	—	—	—	—	—	—
Holyhead ..	3·5	—	30	0	43	—	—	—	—
Aberdovey ..	—	—	—	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May 15th, 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%	°F.	°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	16	71	8th	45	3rd	66·4	51·6	58·8	—	5	0·99	25	—	Aberystwyth	4·2	+ 0·2	36	—	—	—	—	—	—
a Rhayader	767	67	8th	41	7th	62·4	46·6	54·3	—	4	2·16	55	—	Rhayader	2·9	—	26	0	34	—	—	—	—
a St. Ann's Head	149	68	8th	47	3rd	61·6	53·4	57·4	+ 3·7	5	1·98	50	+ 28	St. Ann's Head	3·8	- 0·1	33	—	—	—	—	—	—
p Cardiff	202	66	7th	48	7th	62·6	53·4	57·9	+ 5·9	4	0·85	22	- 3	Cardiff	2·3	—	20	0	40	56·3	+ 1·6	56·1	-0·2
b. ENGLAND, S.W.																							
a Bath	66	68	7th	44	8th	65·0	51·9	58·3	+ 6·1	4	0·94	24	+ 7	Bath	1·7	- 2·2	15	—	—	57·0	-0·4	57·6	-0·9
a Shaftesbury	722	68	8th	44	3rd	63·4	50·6	56·8	+ 5·3	3	1·15	29	+ 8	Shaftesbury	—	—	—	—	—	56·0	—	56·2	—
a Arlington	613	70	9th	42	7th	63·6	50·4	56·8	+ 5·3	4	1·46	37	+ 3										
a Newquay	190	64	8th	47	3rd	61·7	52·9	57·2	+ 2·7	5	1·37	35	+ 13	Newquay	4·3	+ 0·1	37	—	—	57·3	—	56·8	—
a Cullompton	202	70	7th	42	3rd	64·6	50·4	57·3	+ 5·2	5	1·56	40	+ 19	Cullompton	2·2	- 1·3	19	0	35	56·0	—	—	—
a Portland Bill	19	68	9th	51	3rd	63·4	55·9	59·5	+ 4·6	4	0·39	10	- 8	Weymouth	2·5	—	22	—	—	—	—	—	—
p Plymouth	116	71	9th	48	7th	64·3	54·3	59·2	+ 5·3	4	1·24	31	+ 10	Plymouth	4·1	0·0	35	0	42	57·3	+ 1·0	57·0	—
a Falmouth	167	66	9th	48	3rd	62·1	52·4	57·1	+ 3·1	5	1·71	44	+ 18	Falmouth	3·3	- 1·0	28	0	41	58·8	—	59·2	—
9. IRELAND, N.																							
a West — *a* Malin Head	208	63	9th	46	3rd	58·4	49·4	53·8	+ 2·0	4	1·22	31	+ 14	Malin Head	3·8	—	33	—	—	—	—	—	—
a West — *a* Blacksod Point	10	61	9th	47	3rd	59·3	50·1	54·6	+ 1·9	3	0·98	25	- 2	Mallarany	2·3	—	20	0	39	—	—	—	—
a West — *a* Mallarany	120	63	9th	46	3, 8	60·1	48·9	54·3	—	3	0·23	6	—	Markree Castle	2·0	- 0·9	17	0	33	54·9	+ 0·3	55·1	-0·2
a West — *p* Markree Castle	122	64	4th	40	9th	60·0	47·0	53·3	+ 3·0	4	1·49	38	+ 16										
b, East — *p* Armagh	204	65	9th	38	9th	59·9	45·7	52·6	+ 2·0	6	2·89	73	+ 58	Armagh	2·4	- 0·5	21	0	33	54·0	- 0·2	54·3	-0·7
b, East — *a* Donaghadee	35	61	5, 8	42	3rd	58·7	49·0	53·7	+ 2·0	5	2·09	53	+ 37										
10. IRELAND, S.																							
p Dublin, City	54	63	9th	42	8th	59·4	49·6	54·4	+ 2·2	5	2·52	64	+ 51	Trinity Coll.	2·6	—	23	0	35	54·5	- 0·3	54·9	-0·4
a Birr Castle	175	—	—	—	—	—	—	—	—	—	—	—	—	Phœnix Park	2·9	- 0·8	26	0	32	—	—	—	—
a Kilkenny	195	65	8th	34	3rd	59·7	46·7	53·0	+ 2·1	4	2·94	75	+ 60	Dublin City	—	—	—	0	39	—	—	—	—
a Waterford	137	64	6th	46	8, 9	60·3	50·0	55·0	+ 2·7	4	2·65	67	+ 49	Birr Castle	—	—	—	0	32	—	—	—	—
p Seskin, Carrick-on-Suir	542	63	8th	44	8th	58·3	49·1	53·6	—	4	2·90	74	—	Seskin	2·0	—	17	0	38	—	—	—	—
a Cahir	199	63	9th	44	3, 9	59·9	48·6	54·1	+ 3·1	4	2·34	59	—										
a Foynes	50	62	4, 8, 9	43	9th	59·4	47·4	53·2	+ 1·1	4	1·03	26	+ 8										
a Cahirciveen (Val. Obs.)	30	63	6th	42	9th	61·1	48·6	54·7	+ 1·2	3	0·87	22	- 5	Cahirciveen	4·7	+ 1·1	41	0	40	—	—	—	—
a Killarney	174	68	8, 9	41	8, 9	64·2	48·0	55·9	+ 3·4	3	0·41	10	- 15	Ballinacurra	3·6	0·0	32	—	—	—	—	—	—
a Roche's Point	32	62	7th	45	3rd	59·7	50·7	55·1	+ 1·7	5	2·70	69	+ 50										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's	131	62	8th	51	3rd	60·6	54·1	57·3	+ 2·0	4	1·54	39	+ 19	Scilly	3·0	- 1·2	26	—	—	—	—	—	—
a Jersey, St. Aubins	25	68	9th	53	3rd	64·1	56·0	59·9	+ 4·0	4	0·20	5	- 18	St. Heliers	2·6	- 1·9	23	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	68	6th	50	3rd	63·1	56·1	59·5	+ 3·5	4	0·27	7	- 17	Guernsey†	2·1	- 2·4	19	0	45	58·5	+ 0·3	59·0	-0·8

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 9th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Height. Above Ground.	Height. Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	More than 17 m/s or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)**	188	16	5	3, 4	13	2 to 7	80	46	27	2	0	120	19	4	3	—	—	—	—
1. SCOTLAND, E.																			
Dyce	306	76	15*	0	0	0	0	48	74	46	0	120	8	4	4	17	4	8	55
Aberdeen (Cup Anr.)¶	153	105	52	0	0	3, 4	11	52	86	19	0	130	12	4	3	—	—	—	—
Edinburgh	486	39	31	0	0	3	3	41	71	53	0	150	13	3	20	18	3	19	35
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	0	0	3, 4	8	46	56	58	0	120	12	3	13	21	3	16	10
Paisley	188	81	15	0	0	0	0	24	71	67	6	130	9	3	23	19	3	18	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	0	0	0	0	36	63	69	0	140	10	3	20	18	4	2	35
South Shields	72	61	12	0	0	3, 4	8	45	53	62	0	160	13	4	1	17	4	1	25
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	0	0	3, 4	10	75	56	27	0	170	12	3	22	15	3	21	55
Shoeburyness	103	90	‡	0	0	3, 4	5	61	25	14	23	{170 / 140}	11	{3 / 4}	{16 / 8}	14	3	15	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	0	0	3	2	57	74	35	0	160	11	3	16	18	3	15	15
5. ENGLAND, S.E.																			
Brighton	261	53	6	0	0	0	0	57	89	22	0	—	10	3	17	15	3	16	5
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument under adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)	82	65	22	0	0	0	0	21	109	38	0	170	8	3	13	14	3	16	30
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.)	109	44	—	0	0	3, 4	19	47	82	20	0	140	15	3	10	—	—	—	—
Southport	80	62	48	0	0	3, 4, 5	22	54	81	11	0	130	13	3	23	21	3	17	20
Holyhead	60	40	‡	0	0	3, 4	25	57	65	21	0	130	17	3	11	25	3	23	55
8. ENGLAND, S.W.																			
Pendennis Castle§	256	65	24	3	17	3 to 6	29	51	39	16	16	180	23	3	16	29	3	18	15
Plymouth	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S.																			
Kingstown (Cup Anr.)	49	27	—	3	2	3, 4, 5	19	47	74	26	0	130	18	3	17	—	—	—	—
Quilty	100	40	‡	0	0	3, 4	8	40	80	40	0	—	16	3	6	24	3	6	35
Cahirciveen (Val. Obs.)	98	41	‡	3	2	3, 4	28	41	60	37	0	150	18	3	4	30	3	5	0
Weaver Pt.	160	30	‡	3	9	3, 4	17	47	73	22	0	—	20	3	3	26	3	11	40
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees.
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTIETH WEEK of 1920—October 3rd to October 9th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Rain-Days.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	65	37	87·7	82·3	84·9	+ 2·5	81	+ 29	0	− 2	4	− 1	0·82	21	− 10	2·5	−0·3	22	1009
Eastern.																			
1. SCOTLAND, EAST ...	70	31	88·1	81·6	84·7	+ 2·1	78	+ 23	0	− 3	5	+ 1	1·14	29	+ 12	3·0	−0·3	27	1010
2. ENGLAND, N.E.	72	40	89·3	83·1	86·2	+ 2·5	96	+ 31	0	− 1	4	0	0·85	22	+ 7	3·5	−0·1	31	1011
3. ENGLAND, EAST ...	74	40	92·1	84·7	88·3	+ 4·0	123	+ 50	0	− 1	1	− 3	0·05	1	− 12	5·4	+1·6	48	1011
4. MIDLAND COUNTIES ...	73	40	90·5	83·1	86·7	+ 3·2	103	+ 37	0	− 3	4	0	0·87	22	+ 8	2·9	−0·4	25	1009
5. ENGLAND, S.E.	73	40	91·8	85·3	88·4	+ 3·6	125	+ 45	0	− 1	3	− 1	0·53	14	− 4	4·4	+0·5	38	1010
Western.																			
6. SCOTLAND, WEST ...	71	37	89·1	82·4	85·7	+ 2·4	96	+ 27	0	− 1	4	0	2·04	52	+ 26	2·3	−0·8	20	1009
7. ENGLAND, N.W.	71	40	90·4	83·4	86·8	+ 2·9	104	+ 35	0	− 1	4	0	1·01	26	+ 5	3·5	+0·1	31	1007
8. ENGLAND, S.W.	71	41	90·4	84·1	87·1	+ 2·5	108	+ 32	0	0	4	0	1·34	34	+ 10	3·3	−0·5	29	1006
9. IRELAND, NORTH ...	65	38	88·2	82·1	85·0	+ 1·3	81	+ 16	0	0	4	0	1·73	44	+ 24	2·2	−0·7	19	1004
10. IRELAND, SOUTH ...	68	34	88·8	82·3	85·4	+ 1·2	87	+ 13	0	− 1	4	0	1·93	49	+ 30	3·7	+0·1	33	1002
11. ENGLISH CHANNEL ...	68	50	90·0	86·0	87·9	+ 1·7	118	+ 19	0	0	4	0	0·67	17	− 4	2·6	−1·8	23	1005

THE SEASON (Autumn).—Aggregates, &c., for the Period of 6 Weeks, August 29th to October 9th, 1920.

0. SCOTLAND, NORTH ...	69	31	87·4	81·1	84·1	+ 0·3	419	+ 13	0	−4	26	− 2	4·90	125	− 25	3·6	+0·2	28	1012
Eastern.																			
1. SCOTLAND, EAST ...	71	28	88·0	80·5	84·1	0·0	429	− 4	8	+2	24	+ 1	3·81	97	+ 8	3·5	−0·5	27	1014
2. ENGLAND, N.E.	74	32	89·6	81·8	85·5	+ 0·1	527	+ 9	0	−1	21	+ 1	2·81	71	+ 2	3·6	−0·9	28	1015
3. ENGLAND, EAST ...	75	34	90·7	82·9	86·6	+ 0·3	608	+ 24	0	−1	20	+ 1	2·78	72	+ 1	3·9	−1·1	31	1016
4. MIDLAND COUNTIES ...	75	30	90·2	81·5	85·7	+ 0·1	537	0	0	−5	19	0	3·18	81	+ 7	3·3	−1·0	26	1016
5. ENGLAND, S.E.	76	32	91·0	83·1	86·9	+ 0·1	631	+ 7	0	−1	18	− 1	3·62	93	+ 10	3·9	−1·3	31	1016
Western.																			
6. SCOTLAND, WEST ...	71	28	88·7	82·1	85·2	+ 0·4	508	+ 34	2	0	25	+ 3	5·97	151	+ 10	3·7	−0·4	29	1014
7. ENGLAND, N.W.	74	37	89·4	82·4	85·7	+ 0·1	550	+ 16	0	−1	22	0	4·09	106	− 1	4·3	0·0	34	1014
8. ENGLAND, S.W.	75	34	90·1	82·8	86·3	0·0	585	− 1	0	−1	18	− 4	4·17	106	− 6	4·1	−0·7	33	1015
9. IRELAND, NORTH ...	70	30	89·0	82·1	85·4	+ 0·3	517	+ 20	0	0	28	+ 2	5·34	135	+ 24	3·5	−0·2	27	1012
10. IRELAND, SOUTH ...	71	31	89·8	82·7	86·1	+ 0·2	571	+ 16	2	+1	25	+ 2	5·13	131	+ 26	4·1	−0·2	32	1014
11. ENGLISH CHANNEL ...	75	47	90·5	85·4	87·8	− 0·1	699	− 12	0	0	19	− 2	4·61	117	+ 24	4·6	−1·3	36	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 40 Weeks, January 4th to October 9th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·8	78·4	81·5	+ 0·3	1869	0	387	−156	183	− 1	43·60	1108	+198	3·9	+0·3	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·5	78·0	81·6	+ 0·2	1975	−109	464	−159	167	+11	25·90	657	+ 88	4·2	0·0	31	1010
2. ENGLAND, N.E.	79	24	86·8	79·4	83·0	+ 0·7	2528	+137	280	−193	154	+14	21·73	554	+ 98	4·1	−0·5	31	1013
3. ENGLAND, EAST ...	84	20	88·0	79·9	83·8	+ 0·8	2912	+170	270	−225	137	+ 2	17·32	443	+ 7	4·7	−0·3	35	1015
4. MIDLAND COUNTIES ...	82	20	87·8	79·5	83·4	+ 0·6	2689	+ 24	263	−264	158	+24	25·33	643	+157	3·7	−0·7	28	1015
5. ENGLAND, S.E.	81	17	88·1	80·5	84·2	+ 0·6	3024	+112	166	−214	138	+ 7	21·16	541	+ 66	4·5	−0·7	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·8	79·4	82·5	+ 0·3	2271	− 14	271	−147	192	+29	41·18	1047	+207	3·7	−0·7	28	1012
7. ENGLAND, N.W.	81	22	86·4	80·3	83·2	+ 0·5	2560	+ 68	187	−196	175	+27	33·75	859	+225	3·7	−0·8	28	1013
8. ENGLAND, S.W.	78	17	87·1	80·6	83·7	+ 0·3	2756	+ 13	131	−171	165	+18	31·63	802	+128	4·1	−0·8	31	1015
9. IRELAND, NORTH ...	77	23	86·1	79·5	82·7	+ 0·1	2368	− 6	241	− 99	200	+20	31·42	798	+ 99	3·6	−0·4	27	1011
10. IRELAND, SOUTH ...	78	22	87·0	80·3	83·5	+ 0·1	2683	− 45	147	−114	189	+30	33·79	858	+136	3·9	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·6	82·6	85·0	+ 0·4	3277	+107	20	− 85	140	−10	22·48	569	+ 21	5·2	−0·7	39	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 15th October, 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

PRINTED AND PUBLISHED BY HIS MAJESTY'S STATIONERY OFFICE. To be purchased through any Bookseller or directly from H.M. STATIONERY OFFICE at the following addresses:—IMPERIAL HOUSE, KINGSWAY, LONDON, W.C.2, and 28, ABINGDON STREET, LONDON, S.W.1; 37, PETER STREET, MANCHESTER; 1, ST. ANDREW'S CRESCENT, CARDIFF 23, FORTH STREET, EDINBURGH; or from E. PONSONBY, LTD., 116, GRAFTON STREET, DUBLIN.

FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 41.

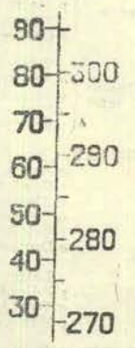
FORTY-FIRST WEEK,

SUNDAY, OCTOBER 10TH, TO SATURDAY, OCTOBER 16TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At first the weather over the British Isles was dominated by an anticyclone over the North Sea region, but from Tuesday onwards the conditions over Ireland and England were affected by depressions spreading in from the Atlantic. In Scotland the warmest day of the week was Sunday, when a maximum of 293 a was recorded at Gordon Castle, in other districts there were several warm days about the middle of the week, with readings of 292 a in many places. With the advent of a brisk easterly wind over Scotland on Saturday there was a decided fall of temperature, at a large number of stations the thermometer did not rise above 282 a. The lowest of the minima occurred as a rule on Wednesday, but Balmoral was the only station where the thermometer in the screen went below the freezing point; on the grass at that station there was a minimum reading of 270 a and at West Linton of 271 a. The mean temperature for the week was everywhere above the normal, the excess varying from 1 a in Scotland N. and Scotland E. to 3 a in Ireland. The total rainfall exceeded the normal in Ireland S. and England S.W., but in all other districts there was a shortage; in Scotland N. and Scotland W., where the amount was insignificant, the deficit was 28mm. and 24mm. respectively. Heavy rain fell over central Wales and in Ireland S. on Saturday night; at Rhayader there was as much as 24mm., at Seskin (Carrick-on-Suir) 36mm., and at Waterford 40mm. During a thunderstorm at Little Massingham (Norfolk) on Friday 21mm. fell. Bright sunshine was generally deficient, in England E. and England N.W., however, the amount was slightly in excess of the normal. Values at stations in the same district differed largely, thus the percentage of the possible was only 13 at Dundee against 50 at Gordon Castle, 13 at Marlborough and 45 at St. Leonards-on-Sea, while at Cullompton it was only 7 per cent. and at Newquay 32 per cent. There was a display of Aurora Borealis at Fort William on Sunday night and at Aberdeen on Saturday night. A solar halo was observed at Oxford on Thursday.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	18	5·4	4	0·9	10	1·6	4	2·7	14	3·7	—	—	21	3·6	19	5·2
North	3	3·9	5	1·4	8	2·4	9	2·9	9	1·1	—	—	3	1·1	5	1·6
West	3	0·8	0	—	4	2·1	1	2·1	1	0·5	—	—	1	1·6	4	1·7
East	18	2·1	12	3·3	15	5·0	12	2·7	26	4·4	—	—	24	3·6	20	3·5
Calm	0	—	16	—	9	—	15	—	1	—	—	—	3	—	4	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Unusual	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Very Light	Light	Very light	Light	Moderate	Moderate	Very light	Light	Heavy	Light	Heavy	Moderate
	Sunshine ...	Abundant	Moderate	Scanty	Moderate	Scanty	Moderate	Scanty	Abundant	Scanty	Scanty	Very scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 7 weeks from August 29th, 1920.	Warmth ...	2, 3, 2	2, 2, 3	3, 2, 2	3, 2, 2	3, 2, 2	3, 2, 2	3, 3, 1	3, 2, 2	2, 3, 2	4, 1, 2	4, 2, 1	2, 3, 2
	Rainfall ...	1, 2, 4	2, 2, 3	3, 1, 3	2, 1, 4	2, 2, 3	2, 3, 2	2, 2 3	1, 4, 2	3, 1, 3	2, 3, 2	4, 1, 2	3, 2, 2
	Sunshine ...	4, 3, 0	1, 3, 3	0, 3, 4	0, 3, 4	0, 2, 5	0, 3, 4	0, 4, 3	3, 3, 1	1, 2, 4	2, 1, 4	1, 2, 4	1, 3, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{5}{9}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30445—19) Wt. 24—561/P25 500 10/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of R. in Days.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F	°F
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	54	12th	43	16th	51·4	47·1	49·2	+ 2·5	3	0·07	2	- 21										
p Deerness, Orkney ..	165	58	13th	42	16th	53·7	47·3	50·4	+ 3·2	2	0·10	3	- 19	Deerness ..	3·7	+ 1·2	34	—	—	—	—	—	—
a Stornoway	51	61	10th	40	13th	56·0	45·1	50·4	+ 3·3	0	0·00	0	- 30	Stornoway ..	3·6	+ 0·7	33	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	60	10th	51	16th	57·0	52·9	54·9	—	1	0·01	0·2	—	Castlebay ..	3·4	—	32	—	—	—	—	—	—
b, Mainland. a Wick	81	56	11, 12	39	14th	53·3	45·7	49·4	+ 2·4	2	0·06	1	- 16										
a Strathpeffer	125	58	10th	34	13th	53·6	39·7	46·4	- 0·3	1	0·01	0·3	- 15										
p Glencarron	500	67	10th	36	11, 12	58·3	40·6	49·2	+ 3·1	0	0·00	0	- 48										
a Fort Augustus.. ..	68	65	11th	33	13th	55·9	39·0	47·2	+ 0·1	2	0·13	3	- 20										
p Fort William	171	66	10th	37	13th	58·1	43·3	50·5	+ 2·6	1	0·02	1	- 39										
1. SCOTLAND, E.																							
a Nairn	82	56	11th	32	13th	52.4	38·0	45·0	- 1·5	5	0·08	2	- 12	Nairn	3·9	—	36	—	—	—	—	—	—
p Gordon Castle	101	68	10th	38	16th	57·3	43·6	50·3	+ 2·7	2	0·17	4	- 14	Gordon Castle..	5·4	—	50	—	—	—	—	—	—
a Aberdeen	46	58	10, 13	42	16th	55·4	47·3	51·2	+ 3·5	3	0·36	9	- 8	Aberdeen ..	2·4	- 0·8	23	0	34	—	—	51·8	+0·8
a Balmoral	930	65	10th	29	13th	55·7	37·1	46·1	+ 2·1	3	0·20	5	- 16	Balmoral ..	—	—	—	2	26	—	—	—	—
p Crieff	432	57	12, 13	42	16th	53·9	46·1	49·9	+ 2·6	2	0·15	4	- 19	Crathes	2·8	- 0·3	26	1	30	52·1	+1·7	52·5	+0·5
a Dundee	244	57	10, 12	39	13th	54·3	44·9	49·5	+ 2·3	3	0·08	2	- 14	Dundee	1·4	—	13	0	32	52·0	—	—	—
a Leith	30	60	11th	45	10th	56·0	47·6	51·7	+ 2·7	2	0·08	1	- 13	Leith	—	—	—	0	41	—	—	—	—
p Edinburgh	441	57	10-12, 14	43	17th	54·7	46·4	50·4	+ 2·5	2	0·10	3	- 12	Edinburgh ..	2·8	- 0·6	26	0	38	—	—	—	—
a West Linton	769	62	10th	32	13th	56·0	41·6	48·6	+ 4·0	2	0·10	3	—	West Linton ..	3·1	—	29	1	29	—	—	—	—
p Marchmont	498	62	12th	41	13th	56·6	43·7	50·0	+ 3·3	2	0·26	7	- 15	Marchmont .	2·5	- 0·4	23	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	64	10th	44	11, 13	59·5	48·0	53·6	—	2	0·03	1	—	Ford (Argyll) ..	—	—	—	0	33	53·2	—	53·8	—
p Glasgow Observatory	180	59	10th	44	16th	55·7	47·9	51·7	+ 3·6	3	0·11	3	- 16	Glasgow.. ..	2·1	- 0·1	19	0	36	—	—	—	—
a Renfrew	49	60	14th	36	12th	55·4	43·4	49·2	—	3	0·11	3	—	Renfrew ..	1·7	—	16	1	30	—	—	—	—
p Rothesay	200	58	14th	43	16th	55·0	48·3	51·6	+ 2·8	4	0·17	4	- 21	Rothesay ..	2·4	—	22	0	43	52·1	—	53·0	+0·9
a Kilmarnock	90	64	12th	39	13th	60·6	46·1	53·1	+ 5·6	2	0·04	1	- 19	Kilmarnock ..	4·2	—	39	—	—	52·1	—	52·9	—
a Colmonell	170	62	11–13	32	16th	58·9	45·4	52·0	+ 3·2	2	0·12	3	- 22	Colmonell ..	—	—	—	0	32	—	—	—	—
p Dumfries	160	63	14th	41	13th	59·0	43·7	51·1	+ 2·7	2	0·06	2	- 19	Dumfries ..	4·5	—	42	0	34	52·3	+1·7	53·1	-0·7
a Eskdalemuir	794	60	10, 14	33	13th	55·9	41·1	48·3	—	2	0·17	4	—	Eskdalemuir ..	3·6	—	34	1	30	—	—	—	—
b, I.OF MAN p Douglas	284	61	13th	49	16th	57·9	52·4	55·1	+ 5·3	3	0·34	9	- 17	Douglas	2·8	- 0·6	26	0	46	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	59	10th	38	14th	54·6	46·6	50·5	+ 2·3	3	0·17	4	- 18										
a Tynemouth	118	57	12th	44	14th	54·0	48·6	51·2	+ 2·3	3	0·13	3	- 15	Cockle Park ..	1·4	- 1·9	13	0	37	51·3	+2·0	51·9	+0·7
p Durham	336	61	12th	36	14th	56·9	44·6	50·6	+ 2·5	2	0·67	17	- 2	Durham ..	1·3	- 1·7	12	2	28	—	—	—	—
a North .. p Rounton	249	62	12-14	39	14th	58·6	44·1	51·1	+ 3·2	2	0·03	1	- 16	Rounton ..	—	—	—	0	32	53·5	—	—	—
a West Witton	605	64	13th	39	13th	56·9	46·6	51·6	—	2	0·83	21	—	West Witton ..	—	—	—	0	37	51·2	—	51·7	—
p Scarborough	118	66	13th	46	14th	60·4	49·7	54·9	+ 4·8	2	0·19	5	- 14	Scarborought† ..	2·5	- 0·9	23	—	—	—	—	55 2	—
p York	56	65	14th	42	13th	58·7	47·9	53·1	+ 3·8	1	0·02	1	- 15	York	2·1	- 0·7	20	—	—	54·3	+1·1	54 3	-0·1
a Spurn Head	26	64	13, 14	48	13, 14	59·3	50·4	54·7	+ 3·7	2	0·28	7	- 8	Spurn Head ..	—	—	—	—	—	—	—	—	—
b, South .. a Lincoln	58	66	14th	40	13th	60·1	48·9	54·3	+ 4·7	3	0·31	8	- 8	Lincoln	—	—	—	0	40	54·7	+2·2	55·0	+0·4
a Fulbeck	180	65	14th	43	12th	60·6	47·7	54·0	+ 4·3	3	0·26	7	- 8	Fulbeck ..	3·7	+ 0·1	34	0	40	—	—	—	—
														Skegness ..	4·0	+ 0·1	37	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	67	14th	43	13th	61·1	47·4	54·1	+ 2·9	3	0·25	6	- 11	Cromer	4·3	+ 0·5	39	—	—	—	—	—	—
a Little Massingham ..	277	63	14th	42	12th	60·3	45·4	52·6	+ 2·8	5	0·86	22	+ 3	Lit. Massingham	4·4	+ 0·9	40	—	—	—	—	—	—
a Yarmouth	13	64	13th	39	14th	59·9	47·1	53·3	+ 2·1	2	0·02	1	- 17	Yarmouth ..	4·4	—	41	0	39	57·0	+2·7	56·7	+0·3
a Norwich	93	65	14th	38	13th	60·6	45·6	52·9	+ 2·5	2	0·31	8	- 11	Norwich ..	3·9	—	36	0	35	53·7	—	—	—
a Geldeston	37	66	14th	35	13, 14	61·7	43·9	52·5	+ 1·7	2	0·08	2	- 15	Geldeston ..	3·9	0·0	35	—	—	—	—	—	—
p Cambridge	41	65	11–13	37	12th	63·1	43·9	53·2	+ 3·0	1	0·05	1	- 14	Cambridge ..	4·7	+ 0·9	43	0	32	56·1	+2·4	57·1	+1·0
a Clacton-on-Sea ..	54	62	13, 15, 16	44	13, 14	61·1	51·0	55·9	+ 4·2	2	0·30	8	- 4	Clacton	4·6	+ 0·6	42	0	40	57·2	+1 8	58·1	+1·4
a Rothamsted	420	62	12th	39	14th	59·9	45·4	52·4	+ 2·9	5	0·41	10	- 9	Rothamsted ..	3·7	+ 0·1	34	0	32	54·3	—	—	—
p Tottenham	51	65	11th	44	13, 14	62·1	48·9	55·3	—	3	0·56	14	—	Tottenham ..	3·4	—	31	0	41	—	..	58·3	+0·8
														S'thend-on-Sea	4·0	—	36	0	43	59·3	+1·8	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	63	13th	40	13th	56·7	47·1	51·8	+ 3·7	3	1·81	46	+ 25	Harrogate ..	2·0	- 1·1	18	0	37	52·5	+1·3	52·6	+0·4
p Sheffield	429	64	13th	47	13, 16	58·3	49·3	53·7	—	3	0·30	8	—	Sheffield.. ..	2·3	- 0·6	21	0	39	52·8	+0 9	53·0	-0·3
p Buxton	987	60	13, 14	39	13th	56·4	45·3	50·7	+ 4·2	3	0·37	9	- 22	Buxton	2·7	—	25	0	36	52·1	+1·7	52·9	+0 3
b, East .. a Worksop	56	66	14th	38	13th	60·7	46·1	53·2	+ 3·9	3	0·38	10	- 7	Worksop ..	2·3	- 0·6	21	0	33	54·0	—	53·8	—
a Nottingham	82	63	13, 14	38	13th	60·3	46·0	52·9	+ 3 5	2	0·13	3	- 13	Nottingham ..	2·3	- 0·7	21	0	37	53·6	+1·6	55·0	+0·2
p Birmingham, Edgbsn.	525	62	13th	47	14th	59·1	49·4	54·1	+ 4·6	4	0·62	16	- 2	Birmingham ..	1·8	- 0·6	16	0	34	52·6	+1·4	52·3	-0·1
a Raunds	203	64	12, 14	37	14th	62·0	44·4	52·9	+ 3·2	3	0·21	5	- 11	Raunds	3·7	—	34	0	36	55·0	—	—	—
p Oxford	208	63	11, 13, 14	42	14th	60·9	49·4	55·0	+ 4·7	3	0·29	7	- 11	Oxford	2·9	- 0·6	27	0	37	—	—	—	—
														Malvern ..	2·5	—	23	0	40	55·1	—	55·8	—
a Cheadle (N. Staffs.) ..	646	—	—	—	—	—	—	—	—	—	—	—	—	Cheadle	—	—	—	—	—	—	—	—	—
c, West .. p Tenbury	313	62	15th	42	12th	58·9	45·7	52·1	+ 3·0	3	0·91	23	+ 6	Tenbury	—	—	—	0	36	54·6	—	—	—
a Hereford	291	62	15th	42	13th	58·7	47·9	53·1	+ 3·6	4	0·98	25	+ 6	Ross-on-Wye ..	2·1	—	19	0	37	55·6	—	56·2	—
a Clifton	225	64	13, 14	48	12th	60·1	51·3	55·6	+ 4·4	3	0·97	25	+ 1	Clifton	1·3	—	12	0	45	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	63	12, 13	43	14th	60·0	48·9	54·3	+ 5·6	3	0·15	4	- 15	Worthing ..	4·8	+ 0·6	44	0	44	57·1	+2·0	57·7	+0·5
p Wilton Ho.*	180	63	12-14	45	12th	61·3	48·9	54·9	+ 5·0	4	0·90	23	+ 1	Marlborough ..	1·5	- 1·7	13	0	37	56·6	—	54·9	—
a Wisley, Surrey ..	150	66	11, 13, 14	40	14th	63·6	47·9	55·5	+ 5·5	3	0·21	5	- 12	Wilton Ho. ..	—	—	—	0	40	56·6	—	—	—
a Tunbridge Wells ..	354	66	13th	41	13th	62·4	48·4	55·2	+ 4·4	2	0·63	16	- 5	Wisley	3·4	- 0·1	31	0	34	55·9	+2·0	56·0	+0·3
a Margate	51	64	13, 15	47	13th	61·3	51·6	56·3	+ 3·7	1	0·06	2	- 14	Tunbridge Wells	3·6	- 0·2	33	0	33	56·9	+1·8	57·3	—
														Margate	4·5	+ 0·8	41	0	42	57·9	+3·7	59·1	+3·0
a Dungeness	21	65	10, 13	40	13th	63·0	50·4	56·5	+ 4·0	3	0·98	25	+ 6	Folkestone ..	4·1	—	38	—	—	—	—	55·3	—
p St. Leonards	178	67	13th	50	14th	62·9	52·3	57·4	+ 4·8	4	1·00	25	+ 4	St. Leonards ..	4·9	+ 0·8	45	0	42	57·7	—	57·9	—
p Southampton	64	66	14th	46	12th	62·4	51·3	56·7	+ 4·4	3	0·57	14	- 8	Southampton ..	3·4	- 0·4	31	0	37	—	—	—	—
a Ventnor	59	66	13th	53	14th	63·1	54·9	58·9	+ 4·8	4	0·51	13	- 9	Ventnor	3·7	- 0·3	34	—	—	—	—	—	—
LONDON. a Richmond Kew Obs.)	18	64	11, 14	42	13th	61·8	48·2	54·8	+ 4·1	4	0·44	11	- 4	Richmond ..	2·4	- 0·8	22	0	36	55·8	+2·3	55·9	+0·5
a Westminster	27	67	12th	46	13th	63·4	50·8	56·9	+ 4·9	3	0·56	14	+ 1	Westminster ..	2·6	+ 0·2	24	0	38	—	—	—	—
ag Greenwich	149	66	13th	40	12th	63·4	47·1	55·0	+ 3·4	3	0·34	9	- 4	Greenwich ..	3·8	+ 0·3	35	1	30	—	—	—	—
a Hampstead	450	64	12th	46	14th	60·9	50·0	55·3	—	5	0·65	17	—	Hampstead ..	3·0	—	28	0	37	—	—	—	—
ag Camden Square ..	110	66	11, 12	44	12th	64·0	49·0	56·3	+ 4·8	4	0·52	13	- 2	Camden Square	—	—	—	0	39	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate).	487	63	12th	41	11th	59·4	45·6	52·3	+ 3·9	2	0·65	17	- 7	Aspatria.. ..	4·5	+ 1·1	41	0	36	52·1	+2·0	52·7	+0·2
p Newton Rigg	559	63	14th	39	13th	58·7	44·3	51·3	+ 3·8	2	0·11	3	- 19	Newton Rigg ..	4·9	+ 2·0	45	0	32	—	—	—	—
p Stonyhurst	376	62	13th	47	13th	58·6	50·1	54·2	+ 5·6	2	0·37	9	- 17	Stonyhurst ..	3·4	+ 0·6	31	0	40	—	—	—	—
p Blackpool	66	64	14th	46	12th	60·6	49·0	54·6	+ 4·6	2	0·34	9	- 12	Blackpool ..	3·4	+ 0·1	31	0	41	54·2	—	53·8	—
a Southport	37	65	13th	46	11, 12	60·3	48·3	54·1	+ 4·1	2	0·23	6	- 14	Southport ..	2·9	- 0·3	27	0	35	52·8	+0·9	54·9	+0·1
														Hoylake ..	—	—	—	—	—	—	—	—	—
a Liverpool(Bidston) ..	188	60	10, 13, 14	49	13, 14	58·3	50·3	54·2	+ 3·9	3	0·24	6	- 13	Liverpool	2·9	—	27	0	43	—	—	—	—
a Hawarden Bridge ..	22	63	13th	46	13th	59·7	49·1	54·2	+ 3·4	3	0·52	13	- 4	Manchester(City)	3·0	+ 0 8	28	0	39	53·9	+1·2	55·5	-0 3
p Manchester (Whit. Pk.)	125	65	14th	46	12th	60·7	49·3	54·8	+ 4·2	2	0·27	7	- 12	Whitworth Park	3·7	+ 1·6	34	—	—	—	—	—	—
b. NORTH WALES.																							
p Llandudno	22	64	12, 13	45	16th	60·9	49·6	55·1	+ 3·3	3	0·29	7	- 13	Llandudno ..	3·6	+ 0·1	33	—	—	—	—	—	—
a Holyhead	16	63	12th	45	11th	60·1	50·7	55·3	+ 3·4	3	0·48	12	- 11	Holyhead ..	3·9	—	36	0	35	—	—	—	—
a Aberdovey	60	64	13th	51	16th	60·9	53·1	56·9	—	3	1·22	31	—	Aberdovey ..	3 5	- 0·1	32	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th, 1929.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. *a*, SOUTH WALES.																							
a Aberystwyth	16	64	10, 12, 13	49	16th	61·4	51·6	56·4	—	3	1·06	27	—	Aberystwyth ..	3·0	- 0·6	37	—	—	—	—	—	—
a Rhayader	757	60	13, 15	43	14th	57·4	47·0	52·1	—	4	1·46	37	—	Rhayader ..	2·4	—	22	0	35	—	—	—	—
a St. Ann's Head ..	149	60	10, 11, 13	51	11th	58·9	54·3	56·5	+ 4·0	5	1·73	44	+ 20	St. Ann's Head	2·5	- 0·9	23	—	—	—	—	—	—
p Cardiff	202	63	13th	50	11, 12, 14	59·6	50·9	55·1	+ 4·7	3	1·07	27	- 1	Cardiff	1·9	—	18	0	40	56·3	+ 2·6	56·0	+0·3
b, ENGLAND, S.W.																							
a Bath	66	64	13th	48	12th	61·1	51·4	56·1	+ 5·6	3	1·20	30	+ 11	Bath	2·0	- 1·4	19	—	—	57·1	+2·6	57·5	+1·3
a Shaftesbury	722	62	13th	46	12th	58·9	49·6	54·1	+ 4·3	3	0·81	21	- 2	Shaftesbury ..	—	—	—	—	—	56·5	—	56·2	—
a Arlington	613	62	11th	48	13th	59·1	51·3	55·1	+ 5·1	5	2·21	56	+ 19										
a Newquay	190	65	12th	52	10, 11, 13	62·0	53·6	57·7	+ 4·5	5	1·37	35	+ 12	Newquay ..	3·5	- 0·3	32	—	—	58·0	—	56·8	—
a Cullompton	202	65	13th	45	13th	61·6	50·1	55·7	+ 5·3	5	1·09	28	+ 4	Cullompton ..	0·8	- 2·3	7	0	40	56·1	—	—	—
a Portland Bill ..	19	65	14th	54	12th	62·7	55·6	59·1	+ 5·6	3	0·28	7	- 15	Weymouth ..	2·2	—	20	—	—	—	—	—	—
p Plymouth	116	66	10th	54	13th	62·9	55·7	59·2	+ 6·8	5	1·82	46	+ 23	Plymouth ..	2·3	- 1·4	21	0	49	57·9	+ 2·7	57·0	—
a Falmouth	167	64	12th	53	11th	61·3	54·4	57·8	+ 5·1	5	2·04	52	+ 23	Falmouth ..	2·3	- 1·6	21	0	48	59·2	—	59·2	—
9. IRELAND, N.																							
a Malin Head	208	61	14th	49	11, 13, 14	56·9	50·1	53·4	+ 3·6	2	0·03	2	- 15	Malin Head ..	2·8	—	26	—	—	—	—	—	—
a West .. *a* Blacksod Point ..	10	63	10th	†50	10th	60·3	52·3	56·2	+ 5·5	1	0·20	5	- 24	Mallarany ..	1·5	—	13	0	45	—	—	—	—
a Mallarany	120	65	10th	50	11, 13	60·3	51·6	55·8	—	2	0·68	17	—	Markree Castle ..	1·3	- 1·5	12	0	38	55·0	+ 1·5	55·0	+0·3
p Markree Castle ..	122	63	10th	42	11th	60·6	49·9	55·1	+ 7·0	5	0·20	5	- 19										
b, East .. *p* Armagh	204	62	10th	42	11th	57·0	48·1	52·4	+ 4·1	2	0·81	21	+ 5	Armagh	1·8	- 1·0	17	0	34	53·6	+ 0·6	53·9	-0·5
a Donaghadee	35	60	10th	51	10th	57·3	52·9	55·0	+ 5·3	5	0·71	13	+ 1										
10. IRELAND, S.																							
p Dublin, City	54	62	13th	50	11th	59·3	52·0	55·5	+ 4·9	4	0·95	24	+ 8	Trinity Coll. ..	1·8	—	16	0	39	54·9	+ 1·1	54·5	-0·2
a Birr Castle	175	62	13th	43	10th	59·7	48·3	53·8	+ 5·4	6	1·24	31	+ 14	Phœnix Park ..	1·9	- 1·5	18	0	36	—	—	—	—
a Kilkenny	195	65	10th	40	11th	60·3	47·9	53·9	+ 4·7	4	1·24	31	+ 12	Dublin City ..	—	—	—	0	45	—	—	—	—
a Waterford	137	63	10th	48	11th	59·7	51·7	55·6	+ 4·8	5	2·29	58	+ 35	Birr Castle ..	1·2	- 2·1	11	0	37	—	—	—	—
p Seskin, Carrick-on-Suir	542	63	10th	47	11, 16	58·7	49·6	54·0	—	5	2·22	56	—	Seskin	1·7	—	16	0	36	—	—	—	—
a Cahir	196	65	10th	42	11th	60·6	48·6	54·4	+ 5·3	6	1·27	32	—										
a Foynes	50	63	12th	45	11th	60·6	50·0	55·1	+ 4·5	6	0·63	16	- 6										
a Cahirciveen (Val. Obs.)	30	64	10th	48	10th	61·4	52·4	56·8	+ 4·6	4	1·10	28	- 5	Cahirciveen ..	2·2	- 1·2	20	0	44	—	—	—	—
a Killarney	174	65	10, 12	46	16th	62·9	52·2	57·4	+ 6·5	6	0·67	17	- 15	Ballinacurra ..	2·0	- 1·3	18	—	—	—	—	—	—
a Roche's Point	32	62	10th	50	11, 16	60·1	53·1	56·5	+ 4·5	6	1·02	26	+ 2										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	62	12th	55	11, 12	60·1	55·7	57·8	+ 3·4	5	1·83	46	+ 25	Scilly	3·3	- 0·9	30	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	69	11th	46	13th	65·4	52·7	58·9	+ 4·3	2	0·13	3	- 22	St. Heliers ..	6·3	+ 1·8	57	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	70	11th	52	13th	65·7	56·0	60·7	+ 6·0	4	0·17	4	- 22	Guernsey† ..	5·7	+ 1·2	52	0	47	58·9	+ 1·6	59·1	0·0

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 16th, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	0	11	6	61	59	42	0	160	12	11	11	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	0	—	0	0	64	104	0	140	4	11	11	9	11	10	25
Aberdeen (Cup Anr.)¶ ..	120	172	12	—	0	—	0	2	112	54	0	{80 / 100}	7	16	{23 / 24}	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	0	83	85	0	70	5	15	19	8	15	19	15
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	0	—	0	19	96	53	0	40	8	15	23	13	15	23	10
Paisley	188	81	15	—	0	—	0	12	98	58	0	80	7	16	13	14	16	12	40
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	0	—	0	0	37	131	0	130	4	11	11	7	12	12	25
South Shields	72	61	12	—	0	—	0	3	95	70	0	90	7	15	23	9	15	22	35
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	0	—	0	75	44	49	0	130	10	11	22	13	11	22	40
Shoeburyness	103	90	‡	—	0	10	1	50	60	57	0	70	11	10	8	14	10	9	10
4. MIDLAND COUNTIES. Benson	270	84	‡	—	0	—	0	3	117	48	0	50	6	10	14	11	10	12	40
5. ENGLAND, S.E. Brighton	261	53	6	—	0	—	0	16	85	67	0	—	7	10	10	12	10	9	35
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	14	62	92	0	60	7	10	16	12	10	16	15
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	6	157	5	0	140	7	14	13	—	—	—	—
Southport	80	62	48	—	0	—	0	37	129	2	0	80	8	10	12	12	10	14	30
Holyhead	60	40	‡	—	0	10, 16	11	65	87	5	0	80	12	16	19	15	16	22	35
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	0	10, 11, 13, 14, 16	33	121	10	4	0	180	13	10	10	16	10	10	45
Plymouth	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	0	16	5	61	82	17	0	80	12	16	20	—	—	—	—
Quilty	100	40	‡	—	0	—	0	54	60	54	0	—	9	13	14	15	13	13	45
Cahirciveen (Val. Obs.)	98	41	‡	—	0	12, 13	8	79	56	25	0	130	12	12	3	20	13	1	15
Weaver Pt.	160	30	‡	—	0	11 to 13	9	85	66	8	0	—	12	12	1	17	13	4	20
11. ENGLISH CHANNEL Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIRST WEEK of 1920—October 10th to October 16th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Temperature of the Air. At any "D.-V." Station. Lowest	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Deviation from Normal	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	67	33	85·9	79·1	82·4	+ 1·1	48	+ 6	0	− 5	2	− 3	0·05	1	− 28	3·6	+1·1	34	1018
Eastern.																			
1. SCOTLAND, EAST ...	68	29	86·0	79·2	82·5	+ 1·1	50	+ 3	0	− 6	3	− 1	0·17	4	− 16	2·6	−0·3	24	1018
2. ENGLAND, N.E.	66	36	87·5	81·7	84·5	+ 1·8	75	+ 20	0	− 2	2	− 2	0·23	6	− 12	2·5	−0·8	23	1018
3. ENGLAND, EAST ...	67	35	89·2	81·1	85·0	+ 1·6	81	+ 16	0	− 3	3	− 1	0·32	8	− 8	4·2	+0·5	38	1017
4. MIDLAND COUNTIES ...	66	37	88·4	81·6	84·9	+ 2·2	80	+ 22	0	− 5	3	− 1	0·70	18	− 1	2·1	−1·0	19	1016
5. ENGLAND, S.E.	67	40	89·8	83·2	86·4	+ 2·4	99	+ 27	0	− 3	3	− 1	0·55	14	− 5	3·6	−0·1	33	1016
Western.																			
6. SCOTLAND, WEST ...	64	32	87·5	81·6	84·4	+ 2·1	74	+ 22	0	− 3	3	− 1	0·12	3	− 24	2·5	−0·4	22	1018
7. ENGLAND, N.W.	65	39	88·4	82·2	85·2	+ 2·1	84	+ 25	0	− 1	2	− 2	0·36	9	− 13	3·9	+0·9	35	1015
8. ENGLAND, S.W.	66	43	88·8	84·1	86·4	+ 2·6	99	+ 31	0	− 1	4	0	1·37	35	+ 8	2·4	−1·1	21	1014
9. IRELAND, NORTH ...	63	42	87·8	83·2	85·4	+ 2·9	86	+ 34	0	− 2	4	− 1	0·54	14	− 8	1·6	−1·3	14	1013
10. IRELAND, SOUTH ...	65	40	88·8	83·4	86·1	+ 2·8	95	+ 34	0	− 1	5	+ 1	1·16	29	+ 6	1·8	−1·6	17	1011
11. ENGLISH CHANNEL ...	70	46	90·6	85·7	88·1	+ 2·5	120	+ 31	0	0	4	− 1	0·71	18	− 5	5·1	+0·7	46	1013

THE SEASON (Autumn).—Aggregates, &c., for the Period of 7 Weeks, August 29th to October 16th, 1920.

0. SCOTLAND, NORTH ...	69	31	87·1	80·8	83·8	+ 0·3	467	+ 19	0	− 9	28	− 5	4·95	126	− 53	3·6	+0·4	29	1013
Eastern.																			
1. SCOTLAND, EAST ...	71	28	87·7	80·3	83·8	+ 0·1	479	− 1	8	− 4	27	0	3·98	101	− 8	3·3	−0·5	27	1014
2. ENGLAND, N.E.	74	32	89·3	81·7	85·4	+ 0·4	602	+ 29	0	− 3	23	− 1	3·04	77	− 10	3·4	−1·0	28	1015
3. ENGLAND, EAST ...	75	34	90·4	82·6	86·3	+ 0·5	689	+ 40	0	− 4	23	0	3·10	80	− 7	3·9	−0·9	32	1016
4. MIDLAND COUNTIES ...	75	30	89·9	81·5	85·5	+ 0·3	617	+ 22	0	−10	22	− 1	3·88	99	+ 6	3·1	−1·1	25	1016
5. ENGLAND, S.E.	76	32	90·8	83·1	86·8	+ 0·4	730	+ 34	0	− 4	21	− 2	4·17	107	+ 5	3·8	−1·2	31	1016
Western.																			
6. SCOTLAND, WEST ...	71	28	88·5	82·0	85·1	+ 0·7	582	+ 56	2	− 3	28	+ 2	6·09	154	− 14	3·5	−0·4	28	1015
7. ENGLAND, N.W.	74	37	89·3	82·3	85·6	+ 0·3	634	+ 41	0	− 2	24	− 2	4·45	115	− 14	4·2	+0·1	34	1014
8. ENGLAND, S.W.	75	34	89·9	83·0	86·3	+ 0·4	684	+ 30	0	− 2	22	− 4	5·54	141	+ 2	3·9	−0·7	31	1015
9. IRELAND, NORTH ...	70	30	88·8	82·3	85·4	+ 0·7	603	+ 54	0	− 2	32	+ 1	5·88	149	+ 16	3·2	−0·4	26	1012
10. IRELAND, SOUTH ...	71	31	89·6	82·8	86·0	+ 0·5	666	+ 50	2	0	30	+ 3	6·29	160	+ 32	3·8	−0·4	30	1013
11. ENGLISH CHANNEL ...	75	46	90·5	85·5	87·8	+ 0·2	819	+ 19	0	0	23	− 3	5·32	135	+ 19	4·6	−1·0	38	1015

THE YEAR 1920.—Aggregates, &c., for the Period of 41 Weeks, January 4th to October 16th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·8	78·5	81·5	+ 0·3	1917	+ 6	387	−161	185	− 4	43·65	1109	+170	3·9	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·5	78·1	81·6	+ 0·2	2025	−106	464	−165	170	+10	26·07	661	+ 72	4·2	0·0	31	1010
2. ENGLAND, N.E.	79	24	86·8	79·5	83·0	+ 0·7	2603	+157	280	−195	156	+12	21·96	560	+ 86	4·1	−0·5	31	1013
3. ENGLAND, EAST ...	84	20	88·0	79·9	83·8	+ 0·8	2993	+186	270	−228	140	+ 1	17·64	451	− 1	4·6	−0·4	35	1015
4. MIDLAND COUNTIES ...	82	20	87·8	79·5	83·4	+ 0·6	2769	+ 46	263	−269	161	+23	26·03	661	+156	3·7	−0·7	28	1015
5. ENGLAND, S.E.	81	17	88·1	80·6	84·2	+ 0·6	3123	+139	166	−217	141	+ 6	21·71	555	+ 61	4·5	−0·7	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·9	79·4	82·5	+ 0·3	2345	+ 8	271	−150	195	+28	41·30	1050	+183	3·7	−0·6	28	1012
7. ENGLAND, N.W.	81	22	86·5	80·3	83·3	+ 0·6	2644	+ 93	187	−197	177	+25	34·11	868	+212	3·7	−0·8	28	1013
8. ENGLAND, S.W.	78	17	87·1	80·7	83·8	+ 0·4	2855	+ 44	131	−172	169	+18	33·00	837	+136	4·0	−0·9	31	1015
9. IRELAND, NORTH ...	77	23	86·2	79·6	82·7	+ 0·1	2454	+ 28	241	−101	204	+19	31·96	812	+ 91	3·5	−0·5	26	1011
10. IRELAND, SOUTH ...	78	22	87·0	80·4	83·6	+ 0·2	2778	− 11	147	−115	194	+31	34·95	887	+142	3·8	−0·7	29	1014
11. ENGLISH CHANNEL ...	75	29	87·7	82·7	85·1	+ 0·5	3397	+138	20	− 85	144	−11	23·19	587	+ 16	5·2	−0·7	40	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 22nd October, 1920.

METEOROLOGICAL OFFICE 1-NOV 1920 LIBRARY

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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 42.

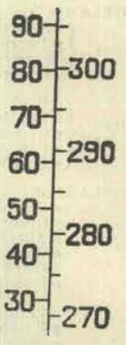
FORTY-SECOND WEEK,

SUNDAY, OCTOBER 17TH, TO SATURDAY, OCTOBER 23RD, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

At the commencement of the week unsettled weather was experienced in most parts of the country, with gales and strong winds on our north-east coast. During the greater part of the period, however, fine weather prevailed over England generally, with the early morning fog which usually accompanies anticyclonic conditions at this season of the year. Temperature continued above the normal in Scotland and Ireland, but in most of the English districts it was below. The highest maxima occurred generally on the 22nd, and were at a number of stations as high as 291 a. The lowest minima are shown on various dates, but mostly on the 19th, when the screen thermometer went down to 270 a in England E. and the Midland Counties; the actual lowest 269 a (25° F.) at Geldeston (Beccles) was registered on three consecutive days, 21st to 23rd, while readings of 268 a on the grass were experienced in several places. Rainfall was below the normal in all districts except Ireland S.; at several stations in England the week was rainless. On the 17th there was very heavy rain in Cornwall with much lightning when 54mm. fell at Newquay within 2½ hours and 36mm. were recorded at Falmouth. During the night of the 19th 25mm. fell at Dublin and on the 23rd there was 51mm. at Cahirciveen (Valencia Observatory) and 33mm. at Mallaranny (Co. Mayo). Bright sunshine was generally deficient, though some good records were obtained, notably in England E., the percentages of the possible at Cromer and Geldeston being 67 and 65 respectively and double the normal. There was a display of Aurora Borealis at Aberdeen and Gordon Castle on the 17th. A solar halo was seen at Oxford on the 19th and lunar halos on the 19th and 20th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	22	6·8	13	3·6	7	2·5	1	2·1	21	4·3	—	—	22	6·7	23	7·0
North	4	1·3	0	—	8	4·6	10	4·9	2	2·4	—	—	4	3·9	4	2·2
West	0	—	3	1·1	0	—	0	—	3	1·1	—	—	0	—	0	—
East	16	3·1	9	1·8	17	8·0	14	3·8	19	4·5	—	—	24	4·0	23	3·2
Calm	0	—	15	—	11	—	14	—	1	—	—	—	2	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Very unusual	Unusual
	Rainfall ...	Very light	Very Light	Very light	Very light	Very light	Very light	Light	Very light	Light	Light	Moderate	Moderate
	Sunshine ...	Scanty	Moderate	Moderate	Abundant	Moderate	Moderate	Very scanty	Moderate	Moderate	Moderate	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
AUTUMN. 8 weeks from August 29th, 1920.	Warmth ...	3, 3, 2	2, 3, 3	3, 3, 2	3, 3, 2	3, 3, 2	3, 3, 2	3, 4, 1	3, 3, 2	2, 4, 2	5, 1, 2	5, 2, 1	3, 3, 2
	Rainfall ...	1, 2, 5	2, 2, 4	3, 1, 4	2, 1, 5	2, 2, 4	2, 3, 3	2, 2, 4	1, 4, 3	3, 1, 4	2, 3, 3	4, 2, 2	3, 3, 2
	Sunshine ...	4, 3, 1	1, 4, 3	0, 4, 4	1, 3, 4	0, 3, 5	0, 4, 4	0, 4, 4	3, 4, 1	1, 3, 4	2, 2, 4	1, 2, 5	1, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30564—19) Wt. 24—561/P25 500 10/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of days.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Lowest Reading.	Earth 1 ft. Mean.	Deviation from Average.	Earth 4 ft. Mean.	Deviation from Average.
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in. mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F	°F.
0. SCOTLAND, N.	54	55	23rd	41	18th	51·7	46·3	48·9	+ 2·8	2	0·08 2	- 18										
a, Islands .. a Lerwick	165	54	20, 23	43	17th	51·1	47·0	49·0	+ 2·3	1	0·02 1	- 18	Deerness ..	2·4	0·0	24	—	—	—	—	—	—
p Deerness, Orkney ..	51	58	21, 23	42	17th	55·0	48·9	51·4	+ 4·9	3	0·91 23	- 3	Stornoway ..	1·4	- 1·3	14	—	—	—	—	—	—
a Stornoway	37	57	23rd	45	17th	54·4	49·7	52·0	—	5	0·39 10	—	Castlebay ..	1·5	—	15	—	—	—	—	—	—
a Castlebay, Barra I. ..																						
b, Mainland. a Wick	81	56	21-23	45	17, 20	52·7	46·9	49·7	+ 3·3	1	0·08 2	- 13										
a Strathpeffer	125	61	23rd	30	18th	53·4	36·6	44·8	- 1·2	1	0·08 2	- 11										
p Glencarron	508	62	21st	35	18th	54·7	41·1	47·7	+ 2·2	1	0·03 1	- 41										
a Fort Augustus.. ..	68	62	23rd	40	17, 19	55·6	44·1	49·7	+ 3·3	1	0·10 3	- 17										
p Fort William	171	61	23rd	36	17th	54·7	44·1	49·2	+ 1·9	3	0·13 3	- 32										
1. SCOTLAND, E.																						
a Nairn	82	62	23rd	32	18th	55.4	38·3	46·6	+ 0·6	0	0·00 0·1	- 13	Nairn	3·1	—	31	—	—	—	—	—	—
p Gordon Castle	101	65	21, 23	30	18th	57·7	40·1	48·6	+ 1·8	1	0·01 0	- 17	Gordon Castle..	3·9	—	38	—	—	—	—	—	—
a Aberdeen	46	61	23rd	42	20th	54·3	45·6	49·8	+ 2·8	2	0·04 1	- 15	Aberdeen ..	2·7	- 0·1	27	0	36	—	—	51·3	+1·0
a Balmoral	930	56	21-23	28	18th	51·3	35·6	43·2	0·0	1	0·05 1	- 19	Balmoral ..	—	—	—	4	24	—	—	—	—
p Crieff	432	57	22, 23	33	19th	51·1	41·0	45·9	- 0·6	3	0·15 4	- 18	Crathes	2·7	- 0·1	26	2	27	48·8	- 0·3	51·4	+0·3
a Dundee	244	58	22, 23	36	19th	53·4	40·7	46·9	+ 0·5	1	0·08 2	- 13	Dundee	1·9	—	19	3	26	49·3	—	—	—
a Leith	30	62	22nd	37	19th	55·0	42·7	48·7	+ 0·5	2	0·05 1	- 12	Leith	—	—	—	1	30	—	—	—	—
p Edinburgh	441	60	22nd	38	18, 19	52·4	43·3	47·7	+ 0·6	2	0·03 1	- 13	Edinburgh ..	2·1	- 0·9	21	0	31	—	—	—	—
a West Linton	769	58	22nd	27	18th	52·0	38·6	45·1	+ 1·3	1	0·04 1	—	West Linton ..	2·0	—	19	2	24	—	—	—	—
p Marchmont	498	60	22nd	33	19th	52·7	37·9	45·1	- 0·8	1	0·05 1	- 20	Marchmont .	1·8	- 0·7	18	—	—	—	—	—	—
2. a. SCOTLAND, W.																						
a Ford (Argyll)	149	58	23rd	36	17th	54·0	44·4	49·1	—	3	0·11 3	—	Ford (Argyll) ..	—	*	—	1	29	50·9	—	53·1	—
p Glasgow Observatory	180	58	23rd	37	19th	53·0	45·6	49·2	+ 1·9	1	0·18 5	- 13	Glasgow.. ..	1·0	- 1·0	9	2	29	—	—	—	—
a Renfrew	49	59	22, 23	32	18-20	54·3	39·0	46·4	—	4	0·24 6	—	Renfrew ..	2·0	—	19	2	21	—	—	—	—
p Rothesay	200	57	23rd	40	18th	52·4	45·4	48·8	+ 0·8	4	0·32 8	- 16	Rothesay ..	1·6	—	15	0	38	49·1	—	52·2	+0·8
a Kilmarnock	90	61	22nd	33	19th	56·0	41·6	48·6	+ 1·9	2	0·02 1	- 18	Kilmarnock ..	2·1	—	20	—	—	48·9	—	52·2	—
a Colmonell	170	60	23rd	32	17, 18	55·0	42·9	48·8	+ 0·8	2	0·11 3	- 21	Colmonell ..	—	—	—	0	31	—	—	—	—
p Dumfries	180	57	22nd	31	19th	53·6	41·3	47·3	- 0·3	2	0·13 3	- 17	Dumfries ..	1·6	—	15	3	21	49·5	+0·3	52·2	-0·6
a Eskdalemuir	794	55	23rd	28	19th	51·1	36·3	43·5	—	2	0·05 1	—	Eskdalemuir ..	1·1	—	10	4	22	—	—	—	—
b, I. OF MAN p Douglas	284	56	22, 23	45	19th	53·6	49·0	51·2	+ 2·2	2	0·26 7	- 18	Douglas	1·3	- 1·7	13	0	41	—	—	—	—
2. ENGLAND, N.E.																						
a North .. a Alnwick Castle ..	210	62	22nd	37	23rd	53·8	40·9	47·2	0·0	2	0·07 2	- 21										
a Tynemouth	118	57	22nd	41	20th	53·9	44·3	48·5	+ 0·6	1	0·04 1	- 17	Cockle Park ..	1·6	- 1·3	16	1	30	46·4	-1·3	50·5	+0·1
a Durham	336	60	22nd	35	19, 20	52·7	38·6	45·4	- 1·6	2	0·07 2	- 17	Durham ..	2·4	- 0·2	23	4	25	—	—	—	—
p Rounton	249	59	22nd	35	20th	53·3	38·9	45·9	- 0·9	1	0·01 0·3	- 17	Rounton ..	—	—	—	4	25	50·0	—	—	—
a West Witton	605	59	22nd	33	19th	51·0	37·9	44·3	—	2	0·15 4	—	West Witton ..	—	—	—	1	28	47·2	—	50·8	—
p Scarborough	118	60	21, 22	43	21st	57·1	44·9	50·8	+ 1·8	0	0·00 0	- 19	Scarborough ..	3·4	+ 0·5	33	—	—	—	—	53·9	—
p York	96	55	21st	38	19th	52·4	40·1	46·1	- 2·1	3	0·07 2	- 14	York	2·4	- 0·1	23	—	—	51·4	-0·5	53·7	+0·1
b, South .. a Spurn Head	26	56	21st	42	21-23	53·0	43·6	48·2	- 1·7	4	0·31 8	- 7	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	68	57	22nd	33	21st	54·4	38·0	46·0	- 2·2	1	0·02 1	- 14	Lincoln	—	—	—	0	32	50·0	-0·7	54·4	+0·6
a Fulbeck	180	59	22nd	34	19th	54·9	38·7	46·6	- 1·8	2	0·03 1	- 14	Fulbeck	4·9	—	46	0	32	—	—	—	—
Skegness ..														4·4	+ 1·0	42	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	60	21, 23	38	21, 22	56·4	41·0	48·5	- 1·4	0	0·01 0·2	- 15	Cromer	7·0	+ 3·7	67	—	—	—	—	—	—
a Little Massingham ..	277	58	21st	32	19th	54·7	36·7	45·4	- 3·1	4	0·06 2	- 15	Lit. Massingham	6·1	+ 3·1	58	—	—	—	—	—	—
a Yarmouth	13	58	21st	35	22, 23	54·7	42·4	48·4	- 1·5	1	0·02 0·4	- 17	Yarmouth ..	6·5	—	62	0	32	53·6	+0·9	55·4	-0·1
a Norwich	93	57	20, 21	28	21, 22	54·9	35·1	44·7	- 4·4	1	0·01 0	- 18	Norwich ..	6·6	—	63	5	24	46·3	—	—	—
a Geldeston	37	60	21, 22	25	21-23	56·6	34·1	45·0	- 4·5	0	0·00 0	- 16	Geldeston ..	6·8	+ 3·5	65	—	—	—	—	—	—
p Cambridge	41	59	23rd	28	21st	56·9	35·3	45·8	- 3·1	0	0·00 0	- 14	Cambridge ..	5·6	+ 2·4	53	3	26	50·9	-1·4	56·0	+0·7
a Clacton-on-Sea ..	54	59	23rd	39	21st	55·9	44·6	50·1	- 0·3	0	0·00 0	- 11	Clacton	6·4	+ 3·0	61	0	35	52·9	-1·4	57·0	+1·0
a Rothamsted	420	55	17th	32	21st	52·7	38·6	45·4	- 2·8	3	0·30 8	- 10	Rothamsted ..	4·3	+ 1·1	41	3	25	50·5	—	—	—
p Tottenham	51	60	17, 18, 22	34	21st	57·4	41·0	49·0	—	0	0·00 0	—	Tottenham ..	2·7	—	26	0	32	—	—	57·3	+0·6
S'thend-on-Sea														5·6	—	53	0	32	54·9	-1·1	—	—
4. MIDLAND COUNTIES.																						
a North .. a Harrogate	479	58	22nd	34	20th	51·1	38·1	44·4	- 2·4	2	0·03 1	- 18	Harrogate ..	1·1	- 1·8	11	2	25	49·4	-0·5	51·6	+0·3
p Sheffield	429	59	22nd	36	19th	53·1	41·3	47·0	—	1	0·09 2	—	Sheffield.. ..	1·6	- 1·1	15	1	29	49·1	-1·4	52·3	-0·3
p Buxton	987	59	22nd	33	19th	49·9	39·9	44·8	- 0·5	2	0·08 2	- 26	Buxton	1·8	—	17	1	29	47·6	-1·4	52·3	+0·4
b, East .. a Worksop	56	60	22nd	28	19th	55·9	34·9	45·1	- 2·9	3	0·03 1	- 14	Worksop ..	3·6	+ 0·9	34	4	23	49·4	—	52·7	—
a Nottingham	82	60	22nd	33	21st	55·3	37·4	46·1	- 2·0	3	0·09 2	- 12	Nottingham ..	3·9	+ 1·2	38	0	32	47·7	-2·5	53·3	-0·5
p Birmingham, Edgbsn.	525	57	22nd	36	19th	52·7	42·3	47·4	- 0·8	3	0·04 1	- 15	Birmingham ..	1·9	- 0·3	18	2	28	48·6	-1·3	51·9	-0·1
a Raunds	203	57	21-23	29	21st	55·3	36·3	45·6	- 2·9	2	0·02 1	- 13	Raunds	4·8	—	46	3	25	50·4	—	—	—
p Oxford	208	58	22, 23	35	19th	55·0	39·7	47·1	- 1·9	1	0·01 0	- 16	Oxford	2·8	- 0·4	27	0	31	—	—	—	—
Malvern ..														2·3	—	22	1	28	51·0	—	54·6	—
a Cheadle (N. Staffs.) ..	646	57	22nd	34	19th	51·9	40·0	45·8	- 1·1	0	0·00 0	- 18	Cheadle	—	—	—	0	33	—	—	—	—
c, West .. p Tenbury	343	59	22nd	27	19th	53·3	39·4	46·1	- 1·7	4	0·31 8	- 7	Tenbury	—	—	—	2	23	51·0	—	—	—
a Hereford	291	56	22nd	29	19th	52·0	39·9	45·8	- 2·4	4	0·47 12	- 5	Ross-on-Wye ..	1·8	—	17	2	25	52·1	—	55·4	—
a Clifton	225	57	21st	36	19th	52·1	44·6	48·2	- 1·7	2	0·04 1	- 20	Clifton	2·2	—	21	0	34	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	57	22nd	33	19th	53·7	41·6	47·5	- 0·1	1	0·01 0·2	- 19	Worthing ..	4·4	+ 0·6	42	0	38	54·3	+0·4	56·8	+0·3
p Wilton Ho.* ..	180	60	22nd	36	23rd	55·7	42·7	49·0	+ 0·2	0	0·00 0	- 21	Marlborough ..	1·7	- 1·2	16	0	32	52·7	—	54·5	—
a Wisley, Surrey ..	150	58	17, 21, 22	34	21st	55·9	41·9	48·7	- 0·2	1	0·01 0·3	- 17	Wilton Ho. ..	—	—	—	0	32	53·7	—	—	—
a Tunbridge Wells ..	354	57	17, 21	33	22nd	54·9	39·9	47·2	- 2·5	0	0·00 0	- 20	Wisley	4·1	+ 0·9	39	2	26	52·7	+0·4	(55·3	+0·4
a Margate	51	60	17th	37	22nd	54·9	44·9	49·8	- 1·7	0	0·00 0	- 16	Tunbridge Wells	5·4	+ 1·9	51	2	28	52·9	-0·9	56·3	—
													Margate	4·0	+ 0·7	38	1	30	53·4	+0·5	57·8	+2·5
a Dungeness	21	58	17, 22, 23	34	22, 23	55·4	42·4	48·7	- 2·7	0	0·00 0	- 19	Folkestone ..	4·7	—	45	—	—	—	—	55·1	—
p St. Leonards	178	59	23rd	42	22nd	56·0	45·1	50·4	- 1·1	2	0·02 0·4	- 20	St. Leonards ..	5·6	+ 1·9	53	0	34	53·5	—	57·2	—
p Southampton	64	60	22nd	40	23rd	56·6	45·0	50·6	- 0·6	0	0·00 0	- 21	Southampton ..	2·4	- 1·0	22	0	33	—	—	—	—
a Ventnor	59	61	22nd	42	18th	57·4	48·9	53·0	0·0	0	0·00 0	- 21	Ventnor	2·8	- 0·8	26	—	—	—	—	—	—
LONDON. a Richmond Kew Obs.)	18	58	20th	35	21, 22	54·6	41·7	48·0	- 1·6	1	0·16 4	- 10	Richmond ..	3·5	+ 0·6	33	1	30	51·6	-0·6	55·2	+0·5
a Westminster	27	60	21st	40	21, 22	56·4	44·3	50·2	- 0·7	1	0·05 1	- 12	Westminster ..	3·1	+ 0·9	30	0	33	—	—	—	—
ag Greenwich	149	61	21st	34	21st	55·9	41·3	48·4	- 0·9	1	0·02 1	- 13	Greenwich ..	4·9	+ 1·9	47	1	25	—	—	—	—
a Hampstead	450	56	20th	38	18, 21	53·4	41·3	47·2	—	2	0·02 1	—	Hampstead ..	3·7	—	35	0	31	—	—	—	—
ag Camden Square ..	110	58	17, 20	35	21st	55·7	41·3	48·3	- 2·1	2	0·02 1	- 12	Camden Square	—	—	—	0	32	—	—	—	—
7. a, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	60	23rd	35	19th	53·7	42·1	47·7	+ 0·4	0	0·00 0	- 24	Aspatria.. ..	2·4	- 0·7	23	2	28	48·8	-0·3	51·5	-0·3
p Newton Rigg	550	61	23rd	31	18th	53·7	39·1	46·7	+ 0·3	1	0·01 0	- 22	Newton Rigg ..	2·7	+ 0·1	26	2	27	—	—	—	—
p Stonyhurst	375	58	22, 23	38	19th	53·1	43·3	48·1	+ 0·6	0	0·00 0	- 26	Stonyhurst ..	2·3	- 0·3	22	1	29	—	—	—	—
p Blackpool	66	63	22nd	33	19th	54·9	43·0	48·8	- 0·1	0	0·00 0	- 21	Blackpool ..	2·3	- 0·8	22	1	27	51·6	—	53·4	—
a Southport	37	58	22nd	32	19th	53·4	42·3	47·7	- 1·2	0	0·00 0	- 20	Southport ..	2·0	- 0·9	19	2	22	48·7	-1·3	53·3	-0·2
Hoylake ..														3·0	+ 0·2	29	—	—	—	—	—	—
a Liverpool(Bidston) ..	188	59	22nd	38	19th	53·4	43·3	48·2	- 1·0	0	0·00 0	- 19	Liverpool ..	2·6	—	25	0	31	—	—	—	—
a Hawarden Bridge ..	22	63	22nd	36	20th	54·9	42·6	48·6	- 1·1	0	0·00 0	- 17	Manchester(City)	2·3	+ 0·2	22	0	32	51·1	0·0	54·8	-0·2
p Mancnester (Whit. Pk.)	126	63	22nd	37	19th	55·7	44·3	49·8	+ 0·3	1	0·01 0·2	- 19	Whitworth Park	2·3	+ 0·4	23	—	—	—	—	—	—
b, NORTH WALES.																						
p Llandudno	22	64	23rd	38	19th	57·1	44·9	50·8	+ 0·1	0	0·00 0·1	- 20	Llandudno ..	4·2	+ 1·0	40	—	—	—	—	—	—
a Holyhead	10	59	22nd	37	19th	55·3	40·6	50·3	- 0·5	3	0·07 2	- 21	Holyhead ..	2·5	—	24	1	29	—	—	—	—
a Aberdovey	60	63	22nd	40	19th	57·1	47·1	52·0	—	1	0·07 2	—	Aberdovey ..	3·8	+ 0·6	37	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																							
a Aberystwyth	16	61	22, 23	41	18, 19	56·3	46·4	51·2	—	2	0·13	3	—	Aberystwyth ..	3·6	+ 0·1	35	—	—	—	—	—	—
a Rhayader	757	60	22nd	31	19th	52·4	41·9	47·0	—	1	0·08	2	—	Rhayader ..	2·5	—	24	2	22	—	—	—	—
a St. Ann's Head ..	149	60	21st	43	18, 19	55·4	49·4	52·3	+ 0·7	3	0·83	21	- 2	St. Ann's Head ..	2·6	- 0·7	25	—	—	—	—	—	—
p Cardiff	202	61	22nd	36	19th	53·6	45·0	49·2	- 0·3	2	0·21	5	- 21	Cardiff	2·3	—	22	0	32	53·1	+ 0·7	55·6	+ 0·7
b. ENGLAND, S.W.																							
a Bath	66	61	22nd	36	19th	55·7	44·4	49·9	+ 0·3	1	0·03	1	- 17	Bath	2·2	- 1·1	21	—	—	55·0	- 0·3	57·0	- 0·2
a Shaftesbury	722	58	22nd	37	18, 19	53·4	43·0	48·1	- 0·8	0	0·00	0	- 22	Shaftesbury ..	—	—	—	—	—	52·5	—	55·4	—
a Arlington	613	59	22nd	37	19th	54·1	46·0	49·9	+ 0·8	2	0·07	2	- 34										
a Newquay	190	64	21st	37	19th	57·9	47·7	52·7	+ 0·4	3	2·37	60	+ 38	Newquay ..	3·8	0·0	36	—	—	55·7	—	56·7	—
a Cullompton	202	63	22, 23	35	19th	57·6	45·9	51·6	+ 2·1	1	0·04	1	- 22	Cullompton ..	2·4	- 0·6	22	1	27	53·4	—	—	—
a Portland Bill	19	62	22nd	44	19th	57·9	49·1	53·4	+ 0·8	0	0·00	0·1	- 21	Weymouth ..	3·0	—	28	—	—	—	—	—	—
p Plymouth	116	62	23rd	41	19th	57·6	49·7	53·5	+ 2·0	3	0·40	10	- 12	Plymouth ..	2·7	- 0·9	25	0	31	55·5	+ 1·5	56·6	—
a Falmouth	167	63	21st	40	19th	57·7	47·9	52·7	+ 0·9	4	2·02	51	+ 23	Falmouth ..	2·7	- 1·0	26	0	32	57·0	—	58·5	—
9. IRELAND, N.																							
a West .. a Malin Head	208	61	21st	43	19, 20	55·9	46·1	50·9	+ 1·2	0	0·00	0	- 16	Malin Head ..	2·1	—	21	—	—	—	—	—	—
a Blacksod Point ..	10	66	22nd	46	18th	59·0	48·6	53·7	+ 3·1	6	1·22	31	+ 5	Mallarany ..	1·8	—	17	0	40	—	—	—	—
a Mallarany	120	59	20, 21, 22	43	19th	57·6	48·6	53·0	—	5	2·35	60	—	Markree Castle	3·2	+ 0·2	31	0	33	53·0	+ 0·6	54·4	+ 0·3
p Markree Castle ..	122	63	21st	38	18th	57·4	46·0	51·5	+ 3·5	3	0·06	2	- 20										
b, East .. p Armagh	204	62	21, 23	39	18, 19	56·1	45·7	50·8	+ 2·6	1	0·16	4	- 10	Armagh	2·3	- 0·7	22	0	33	52·2	+ 0·5	53·4	- 0·2
a Donaghadee	35	59	22, 23	43	18th	55·9	46·6	51·1	+ 1·5	4	0·50	13	- 2										
10. IRELAND, S.																							
p Dublin, City	54	61	21st	43	19th	56·9	48·3	52·5	+ 2·5	3	1·19	30	+ 14	Trinity Coll. ..	3·4	—	32	0	33	53·5	+ 1·2	54·2	+ 0·2
a Birr Castle	175	63	21st	41	19th	57·9	46·0	51·8	+ 4·0	2	0·33	8	- 9	Phœnix Park ..	3·3	+ 0·1	32	1	30	—	—	—	—
a Kilkenny	195	62	21st	35	19th	57·0	45·0	50 8	+ 2·2	4	0·44	11	- 7	Dublin City ..	—	—	—	0	38	—	—	—	—
a Waterford	137	60	21, 22	40	19th	56·0	48·4	52·1	+ 1·9	4	0·64	16	- 7	Birr Castle ..	3·2	+ 0·1	30	0	35	—	—	—	—
p Seskin, Carrick-on-Suir	542	60	21st	38	18th	55·0	46·9	50·8	—	6	1·00	25	—	Seskin	2·1	—	20	0	34	—	—	—	—
a Cahir	198	62	21st	39	19th	58·3	47·6	52·8	+ 4·3	4	0·33	8	—										
a Foynes	50	65	20th	44	19th	59·6	48·4	53·8	+ 3·8	4	0·46	12	- 10										
a Cahirciveen (Val. Obs.)	30	62	20th	48	18th	59·6	51·9	55·6	+ 4·0	5	3·43	87	+ 54	Cahirciveen ..	2·1	- 1·1	20	1	42	—	—	—	—
a Killarney	174	66	20th	49	18, 19	60·8	51·5	56·0	+ 5·7	4	1·02	26	- 5	Ballinacurra ..	1·4	- 1·7	14	—	—	—	—	—	—
a Roche's Point	32	60	20, 21	48	18th	57·9	52·4	55·1	+ 3·7	6	1·18	30	+ 6										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	61	21st	47	19th	58·6	52·4	55·4	+ 1·8	4	0·83	21	+ 1	Scilly	2·5	- 1·4	23	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	61	22nd	45	23rd	57·1	50·4	53·7	- 0·1	2	0·43	11	- 14	St. Heliers ..	2·5	- 1·7	23	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	65	23rd	47	23rd	58·1	51·6	54·8	+ 0·9	2	0·41	10	- 16	Guernsey† ..	2·0	- 2·3	18	0	45	56·5	+ 0·5	58·6	+ 0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 23rd, 1920.

DISTRICT AND STATION	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	18 to 20	24	70	74	0	0	180	13	19	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	3	125	40	0	150	6	19	12	13	19	13	55
Aberdeen (Cup Anr.)¶ ..	120	172	12	—	0	—	0	15	137	16	0	170	6	20	10	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	11	77	80	0	180	10	23	4	13	23	3	15
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	6	68	94	0	110	7	17	12	12	17	14	15
Paisley	188	81	15	—	0	—	0	3	132	33	0	140	6	18	13	12	17	11	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	5	90	73	0	170	6	19	12	11	17	9	30
South Shields	72	61	12	—	0	—	0	39	77	52	0	120	11	17	9	14	17	8	30
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	18	3	17 to 19	39	51	39	36	0	100	18	18	10	23	18	8	50
Shoeburyness	103	90	‡	—	0	17 to 19	43	28	38	59	0	60	16	18	9	21	18	5	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	12	86	67	3	50	8	18	13	14	18	15	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	39	81	48	0	—	9	18	15	16	17	15	40
																	18	9	50
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	95	22	—	0	—	0	40	48	80	0	70	11	18	15	17	18	15	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	31	113	7	17	130	8	20	13	—	—	—	—
Southport	80	62	48	—	0	—	0	71	91	6	0	100	11	18	12	17	18	12	5
Holyhead	60	40	‡	—	0	17	7	104	56	1	0	70	12	17	3	16	17	20	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	17, 19, 20	15	97	30	26	0	80	14	17	23	17	17	22	55
Plymouth	185	88	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	0	—	0	20	47	101	0	—	8	20	3	12	19	18	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	17, 18, 20	25	102	30	11	0	170	14	20	13	—	—	—	—
Quilty	100	40	‡	—	0	19, 23	6	82	73	7	0	—	11	19	20	17	23	5	35
Cahirciveen (Val. Obs.)	98	41	‡	—	0	18, 19, 23	22	109	36	1	0	150	14	19	11	24	19	11	5
Weaver Pt.	160	30	‡	—	0	19	8	100	60	0	0	—	13	19	16	17	19	15	15
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SECOND WEEK of 1920—October 17th to October 23rd, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.											
	Highest	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Number of Rain-Days.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	62	30	85·2	79·6	82·3	+ 1·3	48	+ 9	0	− 7	2	− 3	0·20	5	− 20	1·9	−0·6	19	1017
Eastern.																			
1. SCOTLAND, EAST ..	65	27	85·1	77·4	81·1	+ 0·1	41	0	6	− 2	1	− 3	0·05	1	− 18	2·4	−0·2	24	1019
2. ENGLAND, N.E.	62	33	85·1	77·9	81·4	− 0·7	41	− 7	3	0	2	− 2	0·07	2	− 16	3·2	+0·3	31	1021
3. ENGLAND, EAST ...	60	25	86·1	76·8	81·3	− 1·4	48	− 9	9	+ 5	1	− 3	0·04	1	− 14	5·7	+2·5	54	1020
4. MIDLAND COUNTIES ..	60	27	84·9	77·1	80·9	− 1·0	41	− 9	8	+ 2	2	− 2	0·10	3	− 14	2·4	−0·5	22	1020
5. ENGLAND, S.E.	61	33	86·1	79·3	82·6	− 0·8	51	− 13	0	− 3	1	− 3	0·02	1	− 18	3·9	+0·5	36	1019
Western.																			
6. SCOTLAND, WEST ...	61	31	85·2	79·8	82·4	+ 0·6	49	+ 1	0	− 5	2	− 2	0·17	4	− 21	1·1	−1·3	11	1020
7. ENGLAND, N.W.	64	31	85·6	79·2	82·3	− 0·2	47	− 5	0	− 2	1	− 3	0·01	0	− 22	2·9	+0·2	28	1018
8. ENGLAND, S.W.	63	31	86·1	80·9	83·4	+ 0·1	62	0	0	− 2	2	− 2	0·37	9	− 16	2·8	−0·5	27	1017
9. IRELAND, NORTH ...	66	38	86·9	81·1	83·9	+ 1·5	67	+ 15	0	− 3	3	− 1	0·38	10	− 10	2·7	−0·3	27	1014
10. IRELAND, SOUTH ...	66	35	87·6	82·4	84·9	+ 1·9	81	+ 21	0	− 3	4	0	1·00	25	+ 2	2·5	−0·7	24	1014
11. ENGLISH CHANNEL ...	65	45	87·4	83·8	85·6	+ 0·4	88	+ 6	0	0	3	− 2	0·56	14	− 9	2·3	−1·8	22	1016

THE SEASON (Autumn).—Aggregates, &c., for the Period of 8 Weeks, August 29th to October 23rd, 1920.

0. SCOTLAND, NORTH ..	69	30	86·9	79·4	83·7	+ 0·5	515	+ 28	0	−16	30	− 8	5·15	131	− 73	3·4	+0·3	28	1014
Eastern.																			
1. SCOTLAND, EAST ..	71	27	87·4	80·0	83·5	+ 0·1	520	− 1	14	− 6	28	− 3	4·03	102	− 26	3·2	−0·5	26	1015
2. ENGLAND, N.E.	74	32	88·8	81·3	84·9	+ 0·3	643	+ 22	3	− 3	25	− 3	3·11	79	− 26	3·4	−0·7	28	1016
3. ENGLAND, EAST ..	75	25	89·9	81·9	85·7	+ 0·2	737	+ 31	9	+ 1	24	− 3	3·14	81	− 21	4·1	−0·6	34	1016
4. MIDLAND COUNTIES ...	75	27	89·3	81·0	85·0	+ 0·2	658	+ 13	8	− 8	24	− 3	3·98	102	− 8	3·0	−1·0	25	1016
5. ENGLAND, S.E.	76	32	90·3	82·7	86·3	+ 0·3	781	+ 21	0	− 7	22	− 5	4·19	108	− 13	3·8	−1·0	32	1016
Western.																			
6. SCOTLAND, WEST ...	71	28	88·1	81·7	84·8	+ 0·7	631	+ 57	2	− 8	30	0	6·26	158	− 35	3·2	−0·5	26	1015
7. ENGLAND, N.W.	74	31	88·8	82·0	85·2	+ 0·3	681	+ 36	0	− 4	25	− 5	4·46	115	− 36	4·1	+0·2	33	1015
8. ENGLAND, S.W.	75	31	89·5	82·7	85·9	+ 0·3	746	+ 30	0	− 4	24	− 6	5·91	150	− 14	3·8	−0·6	31	1015
9. IRELAND, NORTH ...	70	30	88·6	82·1	85·2	+ 0·7	670	+ 69	0	− 5	35	0	6·26	159	+ 6	3·1	−0·4	26	1012
10. IRELAND, SOUTH ...	71	31	89·4	82·7	85·9	+ 0·7	747	+ 71	2	− 3	34	+ 3	7·29	185	+ 34	3·6	−0·4	30	1013
11. ENGLISH CHANNEL ...	75	45	90·1	85·3	87·6	+ 0·3	907	+ 25	0	0	26	− 5	5·88	149	+ 10	4·4	−1·1	36	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 42 Weeks, January 4th to October 23rd, 1920.

0. SCOTLAND, NORTH ...	79	19	84·8	78·5	81·5	+ 0·3	1965	+ 15	387	−168	187	− 7	43·85	1114	+150	3·9	+0·4	29	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·5	78·0	81·6	+ 0·2	2066	−106	470	−167	171	+ 7	26·12	662	+ 54	4·1	0·0	31	1011
2. ENGLAND, N.E.	79	24	86·8	79·4	83·0	+ 0·7	2644	+150	283	−195	158	+10	22·03	562	+ 70	4·1	−0·4	31	1013
3. ENGLAND, EAST ...	84	20	88·0	79·9	83·7	+ 0·7	3041	+177	279	−223	141	− 2	17·68	452	− 15	4·7	−0·2	36	1015
4. MIDLAND COUNTIES ...	82	20	87·7	79·5	83·3	+ 0·6	2810	+ 37	271	−267	163	+21	26·13	664	+142	3·7	−0·7	28	1015
5. ENGLAND, S.E.	81	17	88·1	80·6	84·2	+ 0·6	3174	+126	166	−220	142	+ 3	21·73	556	+ 43	4·5	−0·6	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·9	79·5	82·5	+ 0·3	2394	+ 9	271	−155	197	+26	41·47	1054	+162	3·6	−0·7	27	1012
7. ENGLAND, N.W.	81	22	86·5	80·3	83·2	+ 0·5	2691	+ 88	187	−199	178	+22	34·12	868	+190	3·7	−0·7	28	1013
8. ENGLAND, S.W.	78	17	87·1	80·7	83·8	+ 0·4	2917	+ 44	131	−174	171	+16	33·37	846	+120	4·0	−0·9	31	1015
9. IRELAND, NORTH ...	77	23	86·2	79·6	82·8	+ 0·2	2521	+ 43	241	−104	207	+18	32·34	822	+ 81	3·5	−0·4	26	1011
10. IRELAND, SOUTH ...	78	22	87·0	80·5	83·6	+ 0·2	2859	+ 10	147	−118	198	+31	35·95	912	+144	3·8	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·7	82·7	85·1	+ 0·4	3485	+144	20	− 85	147	−13	23·75	601	+ 7	5·1	−0·7	39	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 29th October, 1920

METEOROLOGICAL OFFICE 6 - NOV 1920 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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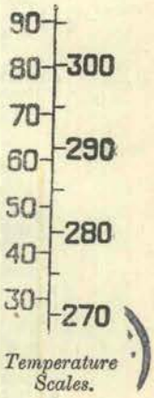
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 43.

FORTY-THIRD WEEK, SUNDAY, OCTOBER 24TH, TO SATURDAY, OCTOBER 30TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Anticyclonic conditions prevailed over the British Isles until towards the close of the week and the weather was very fine; the days were warm with abundant sunshine but the nights were mostly cold, and frost was experienced in all districts excepting Ireland S. and the English Channel. Over a large part of England the week was rainless, but wet fogs or heavy dews were experienced, especially at inland stations. On Saturday a depression appeared over our western districts and heavy rain fell accompanied by strong south-easterly winds. On the coast the temperature varied very little from day to day, thus at Aberdeen the highest of the maxima was only 285 a and the lowest 284 a, inland the differences were large. Crieff had a maximum of 287 a on the 25th, while on the 28th it failed to rise above 275 a. The highest of the maxima occurred on various dates and reached or exceeded 289 a except in England N.E. and the Midland Counties. The lowest minimum during the week was 266 a at West Linton on the 29th, and the lowest readings on the grass 266 a at Rothamsted and 265 a at Balmoral and West Linton. The mean temperature for the week was above the normal in Ireland and Scotland N., and also in the Scilly Isles, but elsewhere it was below. The total rainfall showed a deficiency everywhere, the divergence was large generally, but owing to heavy rain on Saturday the deficit in Scotland W. and over Ireland was small; 20mm. and upwards fell on that day at many stations in those districts. Bright sunshine was more than the normal in all districts, the excess being very large over England E., England S.E. and England N.W. The daily mean was 8·9 hr. at three widely separated stations, Cromer, St. Leonards and St. Heliers, the percentages of the "possible" being 89, 88 and 87 respectively. These may be compared with 87 per cent. at Deerness for the week ending 19th June and 78 per cent. at Castlebay for the previous week. Over a large part of the country there was absolutely no cloud during the week with the exception of the low-lying fog and mist.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	27	6·3	10	3·3	12	3·5	2	1·2	10	4·1	23	2·1	20	3·4	21	4·7
North	0	—	2	1·1	15	2·5	19	1·9	7	0·9	3	0·5	2	2·7	4	1·3
West	0	—	2	2·9	0	—	0	—	1	0·3	2	0·7	3	0·8	2	2·6
East	23	2·0	11	1·5	27	4·0	21	2·9	21	4·1	25	3·1	16	2·2	23	3·3
Calm	1	—	14	—	1	—	7	—	6	—	1	—	6	—	3	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

	Districts of the British Isles											
	Extreme N.	Eastern Section.					Western Section.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate
Rainfall ...	Very Light	Very light	Very light	Very light	Very light	Nought	Light	Nought	Very light	Moderate	Moderate	Moderate
Sunshine ...	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant	Abundant	Very abundant	Very abundant	Very abundant	Abundant	Very abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 9 weeks from August 29th, 1920. Warmth ...	3, 4, 2	2, 4, 3	3, 4, 2	3, 4, 2	3, 4, 2	3, 4, 2	3, 5, 1	3, 4, 2	2, 5, 2	6, 1, 2	5, 3, 1	3, 4, 2
Rainfall ...	1, 2, 6	2, 2, 5	3, 1, 5	2, 1, 6	2, 2, 5	2, 3, 4	2, 2, 5	1, 4, 4	3, 1, 5	2, 4, 3	4, 3, 2	3, 4, 2
Sunshine ...	5, 3, 1	2, 4, 3	1, 4, 4	2, 3, 4	1, 3, 5	1, 4, 4	1, 4, 4	4, 4, 1	2, 3, 4	3, 2, 4	2, 2, 5	2, 3, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30687—19) Wt. 24—561/P25 500 11/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

['TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week.			Deviation from Normal	No. of R in-Days.	Rainfall in the Week.		Deviation from Normal.				Grass Min.		Earth 1 ft.		Earth 4 ft.	
						Of Daily Max.	Of Daily Min.	Daily Mean.							Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Frosts.	Lowest Reading.	Mean.	Deviation from Average.	Mean.	Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																						
a, Islands.. *a* Lerwick	54	54	27th	47	26th	51·4	48·4	49·9	+ 5·6	0	0·00	0	- 22									
p Deerness, Orkney ..	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	—	—	—	—	—
a Stornoway	51	58	24th	37	26th	55·0	45·3	50·0	+ 5·3	1	0·31	8	- 21	Stornoway ..	2·7	- 0·2	28	—	—	—	—	—
a Castlebay, Barra I. ..	37	—	—	49	25th	—	50·9	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—
b, Mainland. *a* Wick	81	53	27th	40	25th	51·4	45·1	48·2	+ 3·8	0	0·00	0	- 16									
a Strathpeffer	125	54	24th	26	26th	48·0	30·6	39·0	- 4·9	0	0·00	0	- 14									
p Glencarron	500	60	24th	28	30th	54·1	33·0	43·2	- 0·2	1	0·01	0	- 46									
a Fort Augustus.. ..	68	61	24th	26	27th	55·1	31·2	43·2	- 1·1	1	0·03	1	- 21									
p Fort William	171	57	24th	32	28, 29	53·0	34·6	43·5	- 1·7	1	0·86	22	- 17									
1. SCOTLAND, E.																						
a Nairn	82	55	24th	31	26-28	49·0	34·6	41·6	- 2·0	3	0·04	1	- 12	Nairn	5·2	—	54	—	—	—	—	—
p Gordon Castle	101	60	27th	29	26th	56·7	34·1	45·1	+ 0·4	0	0·00	0	- 17	Gordon Castle..	7·2	—	76	—	—	—	—	—
a Aberdeen	46	53	25, 26	38	25th	52·0	41·0	46·3	+ 1·5	0	0·00	0	- 16	Aberdeen ..	4·5	+ 1·7	47	1	28	—	—	50·4	+0·9
a Balmoral	930	58	27th	21	28th	53·4	26·3	39·5	- 1·5	2	0·16	4	- 16	Balmoral ..	—	—	—	5	17	—	—	—	—
p Crieff	432	57	25th	25	29th	47·1	34·0	40·4	- 3·9	2	0·02	1	- 21	Crathes	5·8	+ 3·0	61	6	26	46·9	- 0·5	50·1	+0·1
a Dundee	244	53	26th	28	29, 30	47·4	35·1	41·1	- 3·1	1	0·02	1	- 13	Dundee	2·1	—	22	5	23	47·1	—	—	—
a Leith	30	55	25, 30	31	30th	49·3	36·7	42·8	- 3·2	2	0·02	1	- 12	Leith	—	—	—	1	29	—	—	—	—
p Edinburgh	441	53	26th	32	28, 29	49·0	36·1	42·4	- 2·5	2	0·03	1	- 13	Edinburgh ..	4·3	+ 1·3	45	5	24	—	—	—	—
a West Linton	769	57	28th	19	29th	53·9	28·1	40·6	- 0·8	1	0·03	1	—	West Linton ..	6·1	—	63	6	17	—	—	—	—
p Marchmont	498	54	26th	29	27, 28	51·4	32·7	41·8	- 1·9	5	0·11	3	- 17	Marchmont ..	4·3	+ 1·8	44	—	—	—	—	—	—
6. *a*, SCOTLAND, W.																						
a Ford (Argyll)	149	60	24, 26	33	28th	54·7	38·1	46·2	—	2	1·36	35	—	Ford (Argyll) ..	—	—	—	4	24	48·7	—	52·3	—
p Glasgow Observatory	180	55	24th	32	29, 30	48·4	36·4	42·2	- 2·7	0	0·00	0	- 19	Glasgow.. ..	2·6	+ 0·7	27	4	26	—	—	—	—
a Renfrew	49	55	24th	30	27, 30	47·1	33·9	40·3	—	0	0·00	0	—	Renfrew ..	1·3	—	14	4	20	—	—	—	—
p Rothesay	200	55	24th	36	28th	50·1	40·6	45·2	- 0·5	1	0·75	19	- 6	Rothesay ..	5·3	—	55	0	33	47·1	—	51·1	+0·6
a Kilmarnock	90	61	27th	27	28th	57·0	33·4	44·9	+ 0·7	0	0·00	0	- 19	Kilmarnock ..	6·0	—	62	—	—	46·2	—	51·2	—
a Colmonell	170	62	25th	28	25th	56·3	38·1	46·9	+ 1·3	1	1·24	31	+ 6	Colmonell ..	—	—	—	1	26	—	—	—	—
p Dumfries	160	57	27th	30	28, 29	55·0	32·4	43·4	- 1·7	1	0·01	0·2	- 20	Dumfries ..	6·2	—	64	6	21	45·3	- 2·2	50·8	- 0·8
a Eskdalemuir	794	56	26, 27	26	28th	53·3	30·9	41·8	—	2	0·06	2	—	Eskdalemuir ..	7·2	—	74	5	19	—	—	—	—
b, I. OF MAN *p* Douglas	284	54	24-26	45	29th	52·6	46·6	49·5	+ 2·8	1	0·18	5	- 20	Douglas	3·7	+ 0·5	37	0	40	—	—	—	—
2. ENGLAND, N.E.																						
a Alnwick Castle ..	210	57	24, 25	37	26, 28, 30	53·3	38·1	45·5	+ 0·2	0	0·00	0	- 23									
a Tynemouth	118	54	26th	39	27, 30	51·0	42·0	46·4	+ 0·4	0	0·00	0·1	- 17	Cockle Park ..	3·3	+ 0·6	34	5	29	44·9	- 0·8	49·0	- 0·2
p Durham	336	54	26th	33	27th	51·1	37·1	43·9	- 1·1	2	0·02	0·4	- 18	Durham ..	3·7	+ 1·3	38	3	25	—	—	—	—
a North .. *p* Rounton	249	54	25-27, 29	28	26th	52·6	33·9	43·0	- 1·9	1	0·01	0·3	- 17	Rounton ..	—	—	—	6	20	47·4	—	—	—
a West Witton	605	54	25th	37	26, 27	50·7	39·1	44·7	—	0	0·00	0	—	West Witton ..	—	—	—	2	30	45·8	—	49·7	—
p Scarborough	118	58	25–27	41	30th	56·1	46·0	50·9	+ 3·8	0	0·00	0	- 19	Scarborough† ..	4·9	+ 2·3	49	—	—	—	—	52·1	—
p York	56	56	25, 27	35	28th	53·0	37·9	45·2	- 1·0	0	0·00	0	- 16	York	4·9	+ 2·6	49	—	—	49·3	- 0·8	52·5	- 0·2
b, South .. *a* Spurn Head	26	57	24th	42	24th	54·4	45·0	49·6	+ 1·8	1	0·01	0·3	- 14	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	68	58	25, 26	33	27th	55·6	35·1	45·1	- 1·0	0	0·00	0	- 15	Lincoln	—	—	—	0	33,	46·8	- 1·9	52·3	- 0·7
a Fulbeck	180	57	25, 26	33	27th	54·7	35·3	44·7	- 1·5	5	0·05	1	- 14	Fulbeck	5·9	+ 3·1	59	0	32	—	—	—	—
														Skeghess ..	8·4	+ 5·3	84	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	56	24, 25, 27	36	30th	54·9	42·0	48·3	+ 0·6	3	0·03	1	- 15	Cromer	8·9	+ 6·0	89	—	—	—	—	—	—
a Little Massingham ..	277	56	25th	30	30th	54·1	34·1	43·8	- 2·4	6	0·11	3	- 16	Lit. Massingham	7·7	+ 5·1	77	—	—	—	—	—	—
a Yarmouth	13	56	24, 25	34	24th	53·6	46·9	50·2	+ 2·6	0	0·00	0	- 18	Yarmouth ..	7·5	—	75	0	43	50·4	0·0	53·6	- 0·7
a Norwich	93	57	24, 25	30	24, 27	54·6	33·1	43·5	- 3·2	0	0·00	0	- 19	Norwich ..	8·2	—	82	7	25	40·8	—	—	—
a Geldeston	37	58	24th	25	24, 27	55·4	32·1	43·4	- 3·9	0	0·00	0	- 17	Geldeston ..	8·3	+ 5·4	83	—	—	—	—	—	—
p Cambridge	41	60	25, 26	29	28th	54·7	32·6	43·3	- 3·3	0	0·00	0	- 14	Cambridge ..	5·1	+ 2·2	51	6	23	47·4	- 3·0	53·6	- 0·7
a Clacton-on-Sea ..	54	58	24th	37	24th	54·7	46·0	50·2	+ 2·2	0	0·00	0	- 12	Clacton	8·3	+ 5·2	83	0	38	50·6	- 1·9	54·8	- 0·3
a Rothamsted	420	57	25th	31	30th	52·7	34·0	43·1	- 2·9	4	0·04	1	- 18	Rothamsted ..	6·8	+ 4·0	68	7	19	47·8	—	—	—
p Tottenham	51	60	25th	34	24, 28, 29	56·4	36·4	46·1	—	0	0·00	0	—	Tottenham ..	6·2	—	61	1	30	—	—	54·8	- 0·9
														S'thend-on-Sea	8·3	—	82	0	37	52·1	- 1·1	—	—
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	54	26th	35	30th	50·4	39·7	44·8	+ 0·1	0	0·00	0	- 19	Harrogate ..	3·0	+ 0·6	31	4	29	48·5	+ 0·2	50·4	+ 0·2
p Sheffield	429	55	25th	35	30th	51·6	41·6	46·5	—	0	0·00	0	—	Sheffield.. ..	3·0	+ 0·7	30	1	29	47·7	- 1·0	50·9	- 0·9
p Buxton	987	53	25, 26	37	28, 30	49·7	39·9	44·7	—	0	0·00	0	- 29	Buxton	4·6	—	46	1	30	46·4	- 0·7	51·0	- 0·1
b, East *a* Worksop	56	58	25, 26	29	30th	54·7	35·7	44·9	- 1·1	1	0·01	0	- 15	Worksop ..	4·0	+ 1·8	40	4	24	47·8	—	51·0	—
a Nottingham	82	57	25th	31	28th	52·7	35·9	44·1	- 2·0	2	0·03	1	- 13	Nottingham ..	4·0	+ 1·8	40	0	31	45·9	- 2·1	51·3	- 1·2
p Birmingham, Edgbsn.	525	55	25th	37	24, 28	50·6	39·0	44·6	- 1·6	2	0·02	0·4	- 16	Birmingham ..	2·6	+ 0·7	26	3	27	46·8	- 1·4	51·0	- 0·4
a Raunds	203	58	25, 26	31	30th	53·3	34·0	43·4	- 2·7	3	0·04	1	- 14	Raunds	5·2	—	52	2	24	46·9	—	—	—
p Oxford	208	57	25th	30	30th	51·0	34·7	42·6	- 4·4	3	0·03	1	- 15	Oxford	4·2	+ 1·5	42	6	24	—	—	—	—
														Malvern	3·6	—	36	2	30	48·3	—	52·9	—
a Cheadle (N. Staffs.) ..	646	55	25th	36	28th	49·9	39·0	44·3	- 0·6	0	0·00	0	- 19	Cheadle	—	—	—	0	35	—	—	—	—
c, West *p* Tenbury	313	56	25th	31	27th	51·3	36·4	43·6	- 2·3	0	0·00	0	- 15	Tenbury	—	—	—	4	26	48·5	—	—	—
a Hereford	291	56	30th	31	27th	50·6	35·3	42·7	- 3·5	1	0·02	1	- 16	Ross-on-Wye ..	3·8	—	38	1	30	49·0	—	53·9	—
a Clifton	225	56	25th	38	27th	50·9	39·0	44·8	- 3·1	0	0·00	0	- 22	Clifton	5·1	—	51	0	34	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	55	25, 26	29	29th	53·3	32·1	42·4	- 3·1	0	0·01	0·2	- 22	Worthing	8·5	+ 5·0	84	0	33	49·1	- 3·1	55·2	- 0·4
p Wilton Ho.*	180	58	25th	33	27, 28	55·6	34·9	44·9	- 1·8	0	0·00	0	- 25	Marlborough ..	5·3	+ 2·7	52	5	26	49·4	—	53·6	—
a Wisley, Surrey ..	150	59	25th	32	28th	54·1	34·6	44·1	- 2·7	1	0·02	1	- 18	Wilton Ho. ..	—	—	—	4	28	49·5	—	—	—
a Tunbridge Wells ..	354	60	26th	30	24th	56·0	37·3	46·4	- 1·1	0	0·00	0	- 24	Wisley	4·9	+ 2·0	48	7	20	48·3	- 2·0	53·5	- 0·3
a Margate	61	57	24th	41	30th	54·0	46·7	50·2	+ 0·9	0	0·00	0	- 18	Tunbridge Wells	8·0	+ 4·8	79	4	24	49·5	- 1·8	54·3	—
														Margate	7·8	+ 4·9	78	0	35	50·9	0·0	55·5	+ 1·2
a Dungeness	21	58	24, 25	35	24th	55·4	45·7	50·4	+ 1·1	0	0·00	0	- 21	Folkestone ..	7·9	—	78	—	—	—	—	54·9	—
p St. Leonards	178	59	25, 26	42	24th	56·1	44·0	49·9	+ 0·5	0	0·00	0	- 23	St. Leonards ..	8·9	+ 5·5	88	0	36	49·2	—	55·5	—
p Southampton	64	60	25, 26	36	27th	57·3	38·9	47·8	- 1·3	0	0·00	0	- 24	Southampton ..	7·4	+ 4·4	74	2	29	—	—	—	—
a Ventnor	59	61	25th	46	25th	57·3	48·4	52·7	+ 1·7	0	0·00	0	- 24	Ventnor	7·9	+ 4·5	79	—	—	—	—	—	—
LONDON. *a* Richmond Kew Obs.)	18	58	25th	32	28th	54·3	34·8	44·3	- 3·2	0	0·00	0	- 16	Richmond ..	4·6	+ 2·0	46	6	22	46·0	- 4·3	53·6	- 0·2
a Westminster	27	60	24, 25	35	24th	56·6	40·6	48·4	- 0·4	0	0·00	0	- 15	Westminster ..	5·2	+ 3·3	51	1	30	—	—	—	—
ag Greenwich	149	59	24, 25	33	27, 28, 30	56·0	35·3	45·3	- 2·3	1	0·01	0	- 14	Greenwich ..	7·4	+ 4·8	73	7	25	—	—	—	—
a Hampstead	450	58	25th	35	30th	54·0	39·7	46·8	—	1	0·01	0	—	Hampstead ..	7·2	—	72	1	29	—	—	—	—
ag Camden Square ..	110	61	25th	30	30th	56·7	35·6	45.8	- 2·4	2	0·02	1	- 15	Camden Square	—	—	—	4	26	—	—	—	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	59	25, 26	33	25th	55·6	37·6	46·3	+ 1·3	0	0·00	0	- 24	Aspatria.. ..	8·0	+ 5·0	82	6	27	46·3	- 1·3	50·5	- 0·6
p Newton Rigg	559	59	27th	30	25th	55·3	32·6	43·6	- 0·3	0	0·00	0	- 21	Newton Rigg ..	7·1	+ 4·6	72	5	27	—	—	—	—
p Stonyhurst	376	54	24, 26	39	28th	52·0	41·1	46·4	+ 1·2	0	0·00	0	- 27	Stonyhurst ..	6·2	+ 3·7	62	0	31	—	—	—	—
p Blackpool	86	56	25th	34	27th	54·0	37·9	45·7	- 0·9	0	0·00	0	- 22	Blackpool ..	6·1	+ 3·2	62	2	28	49·8	—	52·5	—
a Southport	37	56	25, 26	36	25, 27, 29	53·9	37·3	45·4	- 1·2	0	0·00	0	- 20	Southport ..	6·3	+ 3·5	63	7	23	43·7	- 4·0	50·8	- 1·2
														Hoylake ..	3·8	+ 1·0	38	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	55	25th	38	25, 26	50·4	39·9	45·0	- 2·0	0	0·00	0	- 18	Liverpool ..	4·3	—	43	0	31	—	—	—	—
a Hawarden Bridge ..	22	55	25th	33	26th	50·4	37·3	43·7	- 3·7	0	0·00	0	- 16	Manchester(City)	4·9	+ 3·2	49	0	33	46·8	- 2·4	53·4	- 0·7
p Mancnester (Whit. Pk.)	125	60	26th	36	27, 28	55·6	39·0	47·1	+ 0·1	0	0·00	0	- 19	Whitworth Park	6·2	+ 4·5	62	—	—	—	—	—	—
v, NORTH WALES.																						
p Llandudn	22	59	27th	38	29, 30	56·6	40·3	48·2	- 0·3	1	0·01	0·2	- 20	Llandudno ..	7·7	+ 4·7	77	—	—	—	—	—	—
a Holyhead	10	58	28, 29	37	28th	57·1	40·3	48·5	- 0·2	1	0·04	1	- 23	Holyhead ..	7·2	—	72	4	24	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	0	0·00	0	—	Aberdovey ..	7·9	+ 4·8	79	0	37	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Rain-Days.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
a. *c*. SOUTH WALES.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a Aberystwyth	16	59	25, 26	36	28th	57·3	41·9	49·4	—	1	0·01	0	—	Aberystwyth ..	7·9	+ 4·9	79	—	—	—	—	—	—
a Rhayader	757	56	25th	28	27–29	51·9	32·3	41·8	—	0	0·00	0	—	Rhayader ..	5·9	—	59	7	18	—	—	—	—
a St. Ann's Head ..	149	57	25th	43	29th	54·6	45·3	49·8	0·0	1	0·43	11	- 14	St. Ann's Head	4·5	+ 1·6	45	—	—	—	—	—	—
p Cardiff	202	56	30th	39	27th	51·6	41·1	46·2	- 1·1	0	0·00	0	- 28	Cardiff	6·1	—	60	0	36	48·9	- 1·5	53·6	- 0·4
b. ENGLAND, S.W.																							
a Bath	66	57	30th	35	27th	52·9	38·3	45·4	- 2·1	0	0·00	0	- 19	Bath	5·9	+ 3·0	59	—	—	51·7	- 1·4	55·8	- 0·5
a Shaftesbury ..	722	55	24, 26	34	29th	53·1	36·6	44·6	- 2·2	0	0·00	0	- 23	Shaftesbury ..	—	—	—	—	—	49·6	—	53·7	—
a Arlington	613	57	24, 27	39	28th	54·7	41·5	47·9	+ 0·8	1	0·20	5	- 33										
a Newquay	190	60	25th	42	25th	57·4	44·8	50·9	+ 0·5	1	0·42	11	- 13	Newquay ..	5·4	+ 2·1	53	—	—	53·6	—	55·9	—
a Cullompton	202	60	26th	35	27th	55·4	37·1	46·0	— 1·4	3	0·10	3	- 21	Cullompton ..	4·8	+ 2·2	48	5	27	49·8	—	—	—
a Portland Bill	19	?61	24th	45	29, 30	57·7	46·6	52·0	+ 1·3	0	0·00	0	- 21	Weymouth ..	7·1	—	70	—	—	—	—	—	—
p Plymouth	116	60	24, 26, 30	44	25th	58·0	46·7	52·2	+ 2·6	1	0·07	2	- 22	Plymouth ..	6·9	+ 3·8	67	0	38	51·4	- 0·9	55·7	—
a Falmouth	167	60	26th	45	26th	58·3	48·3	53·2	+ 3·2	1	0·20	5	- 25	Falmouth ..	4·3	+ 1·0	42	0	39	55·9	—	57·7	—
9. IRELAND, N.																							
a West .. { *a* Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a Blacksod Point ..	10	61	24th	41	27th	58·3	48·6	53·3	+ 5·5	2	1·14	29	0	Mallarany ..	2·8	—	29	0	39	—	—	—	—
a Mallarany	120	58	24th	42	26th	55·4	46·7	50·9	—	2	0·59	15	—	Markree Castle	4·0	+ 1·1	40	2	28	51·6	+ 1·1	53·7	+ 0·3
p Markree Castle ..	122	59	27th	32	25th	56·1	39·7	47·7	+ 2·5	1	0·46	12	- 12										
b. East .. { *p* Armagh	204	57	24, 26, 27	31	29th	55·7	39·6	47·4	+ 2·1	2	0·02	1	- 15	Armagh	5·9	+ 3·0	60	1	29	50·2	+ 0·4	52·7	0·0
a Donaghadee	35	56	26th	46	30th	54·3	48·9	51·6	+ 4·7	1	1·19	30	+ 13										
10. IRELAND, S.																							
p Dublin, City	54	57	24, 30	36	28th	54·7	42·1	48·2	+ 0·7	1	0·59	15	- 1	Trinity Coll. ..	4·0	—	40	4	28	51·6	+ 1·2	53·4	+ 0·4
a Birr Castle	175	59	25th	38	25th	55·7	42·3	48·8	+ 3·5	1	0·67	17	- 1	Phœnix Park ..	5·6	+ 2·4	56	6	24	—	—	—	—
a Kilkenny	195	59	25, 27	32	29th	56·1	38·9	47·3	+ 1·3	1	1·17	30	+ 11	Dublin City ..	—	—	—	0	31	—	—	—	—
a Waterford	137	57	25, 27, 30	40	29th	55·9	45·4	50·5	+ 2·9	1	0·87	22	- 2	Birr Castle ..	4·2	+ 1·3	42	1	30	—	—	—	—
p Seskin, Carrick-on-Suir	542	59	27th	41	29th	54·7	43·6	49·0	—	3	1·38	35	—	Seskin	3·0	—	30	0	31	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	60	26th	42	26th	56·3	46·1	51·1	+ 3·7	2	0·46	12	- 11										
a Cahirciveen (Val. Obs.)	30	60	24, 27	41	25th	58·1	47·4	52·6	+ 3·4	3	1·10	28	- 6	Cahirciveen ..	2·2	— 0·8	22	0	35	—	—	—	—
a Killarney	174	62	24th	38	30th	58·6	47·5	52·9	+ 5·1	1	0·53	13	- 20	Ballinacurra ..	1·9	- 1·1	19	—	—	—	—	—	—
a Roche's Point	32	58	27th	46	29th	56·4	50·9	53·6	+ 4·6	1	0·75	19	- 6										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	60	24th	51	25, 28	57·4	52·1	54·7	+ 2·5	1	1·14	29	+ 5	Scilly	4·6	+ 1·2	45	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	62	25th	39	27th	58·3	43·7	50·8	- 1·3	0	0·00	0	- 30	St. Heliers ..	8·9	+ 5·4	87	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	—	—	—	—	—	—	—	—	—	—	—	—	Guernsey† ..	—	—	—	—	—	—	—	—	—

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, October 30th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s.	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N. Deerness (Cup Anr.)** ..	188	16	5	—	0	26	3	101	60	4	0	160	13	26	9	—	—	—	—
1. SCOTLAND, E. Dyce	305	75	15*	—	0	—	0	16	107	45	0	170	9	30	21	20	30	23	30
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	0	—	0	21	140	7	0	160	9	30	{21 / 22}	—	—	—	—
Edinburgh	485	39	31	—	0	30	2	5	76	85	0	160	12	30	23	16	30	21	20
6. SCOTLAND, W. Eskdalemuir	825	50	22	—	0	—	0	17	88	63	0	180	9	30	13	15	30	{19 / 23}	5 / 30
Paisley	188	81	15	—	0	—	0	17	57	94	0	170	10	30	11	18	30	23	25
2. ENGLAND, N.E. Alnwick Castle	340	70	17	—	0	—	0	3	86	79	0	—	6	30	15	12	30	14	30
South Shields	72	61	12	—	0	—	0	9	93	66	0	190	7	30	24	13	30	23	35
Spurn Head	66	40	‡	—	Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E. Gorleston	52	42	‡	—	0	29, 30	9	117	42	0	0	170	12	30	20	15	30	20	15
Shoeburyness	103	90	‡	—	0	—	0	104	59	5	0	{110 / 110}	10	{28 / 29}	22 / 18	13	28	21	50
4. MIDLAND COUNTIES. Benson	270	84	‡	—	0	—	0	9	93	66	0	230	8	29	23	12	30	23	10
5. ENGLAND, S.E. Brighton	261	53	6	—	0	—	0	53	115	0	0	—	9	25	17	14	25	19	30
S. Farnboro' (Pyestk Tr)	443	152	‡	—	Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	14	104	50	0	80	7	28	14	10	{25 / 28}	11 / 14	50 / 45
7. ENGLAND, N.W. Fleetwood (Cup Anr.) ..	109	44	—	—	0	30	5	21	129	13	0	140	13	30	20	—	—	—	—
Southport	80	62	48	—	0	—	0	35	125	8	0	130	10	30	19	17	30	18	35
Holyhead	60	40	‡	—	0	30	14	56	49	49	0	160	14	30	23	22	30	23	20
8. ENGLAND, S.W. Pendennis Castle§ ..	256	65	24	—	0	25 to 28, 30	26	131	11	0	0	180	15	30	24	18	30	23	30
Plymouth	185	88	2	—	0	? 30	5	42	113	8	0	—	13	30	24	15	30	19	5
Lyme Regis	556	61	‡	—	0	—	0	8	73	87	0	—	8	30	15	10	30	16	50
10. IRELAND, S. Kingstown (Cup Anr.) ..	49	27	—	—	0	30	5	18	120	25	0	170	13	30	24	—	—	—	—
Quilty	100	40	‡	—	0	—	0	38	108	22	0	—	7	30	8	14	30	18	45
Cahirciveen (Val Obs.)	98	41	‡	—	0	30	4	77	64	33	0	180	11	30	16	19	30	17	10
Weaver Pt.	160	30	‡	—	0	30	13	74	79	2	0	—	15	30	23	24	30	23	5
11. ENGLISH CHANNEL Scilly	150	32	‡	—	0	—	0	22	143	3	0	170	7	30	23	12	30	23	45

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-THIRD WEEK of 1920—October 24th to October 30th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest.	Temperature of the Air. At any "D.-V." Station. Lowest.	Means of Daily Max.	Means of Daily Min.	Means of Daily Mean.	Means of Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Accumulated Number of Day-Degrees. Deviation from Normal.	Accumulated Number of Day-Degrees. Below 42°	Accumulated Number of Day-Degrees. Deviation from Normal	Rainfall. Number of Rain-Days.	Rainfall. Deviation from Normal.	Rainfall. Total Fall.	Rainfall. Deviation from Normal.	Sunshine. Daily Mean.	Sunshine. Deviation from Normal.	Sunshine. Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	61	26	84·4	76·6	80·4	+ 0·6	38	+ 8	10	− 1	1	− 4	0·20	5	− 23	2·7	−0·2	28	1020
Eastern.																			
1. SCOTLAND, EAST ...	60	19	83·9	73·8	78·7	− 1·0	38	+ 8	24	+ 9	2	− 2	0·05	1	− 17	4·4	+1·8	46	1022
2. ENGLAND, N.E.	58	28	84·9	76·8	80·8	− 0·2	41	+ 4	9	+ 2	1	− 3	0·01	0	− 18	5·2	+2·6	52	1024
3. ENGLAND, EAST ...	60	25	85·6	76·1	80·7	− 0·7	46	+ 2	13	+ 6	1	− 3	0·02	1	− 15	7·3	+4·5	73	1023
4. MIDLAND COUNTIES ...	58	29	83·8	75·7	79·7	− 1·1	35	− 3	14	+ 4	1	− 3	0·02	1	− 16	3·7	+1·3	37	1022
5. ENGLAND, S.E.	61	29	85·9	77·3	81·5	− 0·7	47	− 4	6	+ 1	0	− 4	0·00	0	− 22	7·1	+4·1	70	1021
Western.																			
6. SCOTLAND, WEST ...	62	27	84·9	76·3	80·5	0·0	42	+ 6	11	+ 2	1	− 3	0·51	13	− 13	3·1	+0·6	32	1023
7. ENGLAND, N.W.	60	30	85·2	76·6	80·8	− 0·4	43	+ 3	10	+ 5	0	− 4	0·00	0	− 23	6·7	+4·1	67	1021
8. ENGLAND, S.W.	61	28	85·7	78·2	81·8	− 0·4	44	− 6	2	− 2	1	− 4	0·10	3	− 24	5·7	+2·8	57	1019
9. IRELAND, NORTH ...	61	31	86·3	79·6	82·8	+ 1·9	54	+ 15	0	− 8	1	− 3	0·70	18	− 4	4·9	+2·0	50	1017
10. IRELAND, SOUTH ...	62	32	86·4	80·1	83·2	+ 1·6	58	+ 12	0	− 6	1	− 3	0·80	20	− 4	3·5	+0·4	35	1017
11. ENGLISH CHANNEL ...	62	39	87·4	81·8	84·6	+ 0·3	76	+ 4	0	0	1	− 4	0·57	15	− 13	6·7	+3·3	66	1018

THE SEASON (Autumn).—Aggregates, &c., for the Period of 9 Weeks, August 29th to October 30th, 1920.

0. SCOTLAND, NORTH ...	69	26	86·6	79·1	83·3	+ 0·5	553	+ 36	10	−17	31	−12	5·35	136	− 96	3·3	+0·4	28	1014
Eastern.																			
1. SCOTLAND, EAST ...	71	19	87·0	79·3	83·0	0·0	558	+ 7	38	+ 3	30	− 5	4·08	103	− 43	3·4	−0·2	28	1016
2. ENGLAND, N.E.	74	28	88·3	80·8	84·4	+ 0·2	684	+ 26	12	− 1	26	− 6	3·12	79	− 44	3·6	−0·4	30	1017
3. ENGLAND, EAST ...	75	25	89·4	81·3	85·2	+ 0·2	783	+ 33	22	+ 7	25	− 6	3·16	82	− 36	4·5	+0·1	38	1017
4. MIDLAND COUNTIES ...	75	27	88·7	80·4	84·4	+ 0·1	693	+ 10	22	− 4	25	− 6	4·00	103	− 24	3·1	−0·7	26	1017
5. ENGLAND, S.E.	76	29	89·8	82·1	85·8	+ 0·2	828	+ 17	6	− 6	22	− 9	4·19	108	− 35	4·2	−0·4	35	1017
Western.																			
6. SCOTLAND, WEST ...	71	27	87·7	81·1	84·3	+ 0·6	673	+ 63	13	− 6	31	− 3	6·77	171	− 48	3·2	−0·4	27	1016
7. ENGLAND, N.W.	74	30	88·4	81·4	84·7	+ 0·2	724	+ 39	10	+ 1	25	− 9	4·46	115	− 59	4·3	+0·5	37	1016
8. ENGLAND, S.W.	75	28	89·0	82·2	85·5	+ 0·3	790	+ 24	2	− 6	25	−10	6·01	153	− 38	4·0	−0·3	33	1016
9. IRELAND, NORTH ...	70	30	88·3	81·9	84·9	+ 0·8	724	+ 84	0	−13	36	− 3	6·96	177	+ 2	3·3	−0·1	28	1013
10. IRELAND, SOUTH ...	71	31	89·0	82·4	85·6	+ 0·8	805	+ 83	2	− 9	35	0	8·09	205	+ 30	3·6	−0·3	31	1014
11. ENGLISH CHANNEL ...	75	39	89·8	84·9	87·2	+ 0·2	983	+ 29	0	0	27	− 9	6·45	164	− 3	4·6	−0·6	39	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 43 Weeks, January 4th to October 30th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·8	78·5	81·5	+ 0·4	2003	+ 23	397	−169	188	−11	44·05	1119	+127	3·9	+0·4	29	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·4	77·9	81·5	+ 0·1	2104	− 98	494	−158	173	+ 5	26·17	663	+ 37	4·1	0·0	31	1011
2. ENGLAND, N.E.	79	24	86·7	79·4	82·9	+ 0·6	2685	+154	292	−193	159	+ 7	22·04	562	+ 52	4·1	−0·4	31	1013
3. ENGLAND, EAST ...	84	20	87·9	79·8	83·7	+ 0·8	3087	+179	292	−217	142	− 5	17·70	453	− 30	4·8	−0·1	37	1015
4. MIDLAND COUNTIES ...	82	20	87·7	79·4	83·2	+ 0·5	2845	+ 34	285	−263	164	+18	26·15	665	+126	3·6	−0·7	28	1015
5. ENGLAND, S.E.	81	17	88·0	80·5	84·1	+ 0·6	3221	+122	172	−219	142	− 1	21·73	556	+ 21	4·5	−0·6	35	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·8	79·4	82·5	+ 0·3	2436	+ 15	282	−153	198	+23	41·98	1067	+149	3·6	−0·6	27	1012
7. ENGLAND, N.W.	81	22	86 4	80·2	83·2	+ 0·5	2734	+ 91	197	−194	178	+18	34·12	868	+167	3·8	−0·6	29	1014
8. ENGLAND, S.W.	78	17	87·1	80·7	83·7	+ 0·4	2961	+ 38	133	−176	172	+12	33·47	849	+ 96	4·0	−0·8	31	1015
9. IRELAND, NORTH ...	77	23	86·2	79·6	82·8	+ 0·3	2575	+ 58	241	−112	208	+15	34·04	840	+ 77	3·5	−0·4	27	1011
10. IRELAND, SOUTH ...	78	22	87·0	80·5	83·6	+ 0·2	2917	+ 22	147	−124	199	+28	36·75	932	+140	3·8	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·7	82·7	85·1	+ 0·5	3561	+148	20	− 85	148	−17	24·32	616	− 6	5·1	−0·7	40	1017
	°F.	°F.	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics:
5th November, 1920

METEOROLOGICAL OFFICE 13 NOV 1920 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 44.

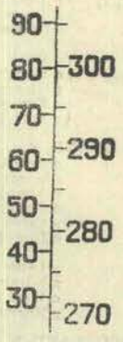
FORTY-FOURTH WEEK.

SUNDAY, OCTOBER 31ST, TO SATURDAY, NOVEMBER 6TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

As mentioned in the last issue of this report a depression was producing heavy rain and strong south-easterly winds over our western districts on Saturday, October 30th; the system continued to affect the weather in the west and south for the first day or two of the current week, but with the passing away of the disturbance over France conditions again became anticyclonic. Heavy local rain fell on Sunday at some western and southern stations, among the largest measurements were 24mm. at Douglas, 27mm. at Oxford, and 25mm. at the Guernsey stations; at Southampton the aggregate for the two days, October 31st and November 1st, was 35mm. and at Portsmouth 36mm. There were one or two bright days in some parts of the country, but the weather over the United Kingdom as a whole was dull and gloomy, with more persistent fogs than during the preceding week. The warmest days were generally at the beginning or end of the period, when readings of about 286 a were registered in most districts; on the middle days of the week the maxima over England were distinctly low, 278 a at Buxton on Wednesday and Thursday, while at Richmond (Kew Observatory) and at other London stations where the fog lasted all day it was as low as 276 a on Thursday. The last three nights of the week were generally the coldest; in most parts of England the thermometer in the screen went below the freezing point, the lowest being about 270 a at several stations in England E. and England S.E.; at Tunbridge Wells it was as low as 268 a. In Scotland it was less cold. Among the lowest of the grass minima were 266 a at Birmingham, Wisley and Tunbridge Wells, and 265 a at Greenwich. The mean for the week was slightly in excess of the normal over Ireland and in Scotland N., below it in other regions, the districts with the largest deficit, 3·2 a, being England E. and England S.E. Bright sunshine was deficient almost everywhere, the only exceptional district being England E., where the daily mean, 3·1 hr., was 0·5 hr. more than the normal. At Aberdeen on the 5th there was faint auroral glow, while solar halos were observed at Oxford on October 31st, at Tenbury on November 4th and at Dublin on November 5th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	26	10·1	16	3·3	7	6·0	4	1·7	9	4·4	7	3·2	14	2·7	9	3·1
North	1	1·6	0	—	15	3·1	8	3·7	11	3·5	15	2·8	7	3·5	12	4·1
West	5	3·1	9	3·6	9	1·7	2	1·5	8	2·7	6	3·8	14	4·8	12	2·2
East	23	7·8	11	3·8	11	6·4	8	5·4	17	5·5	16	1·9	12	3·8	8	1·8
Calm	0	—	8	—	6	—	15	—	2	—	6	—	2	—	6	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Moderate	Moderate	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient
	Rainfall ...	Light	Very light	Very Light	Very light	Moderate	Moderate	Light	Light	Moderate	Moderate	Light	Moderate
	Sunshine ...	Scanty	Scanty	Scanty	Moderate	Scanty	Moderate	Very scanty	Moderate	Moderate	Very scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 10 weeks from August 29th, 1920.	Warmth ...	3, 5, 2	2, 5, 3	3, 5, 2	3, 4, 3	3, 4, 3	3, 4, 3	3, 6, 1	3, 5, 2	2, 5, 3	6, 2, 2	5, 4, 1	3, 4, 3
	Rainfall ...	1, 2, 7	2, 2, 6	3, 6, 1	2, 1, 7	2, 3, 5	2, 4, 4	2, 2, 6	1, 4, 5	3, 2, 5	2, 5, 3	4, 3, 3	3, 5, 2
	Sunshine ...	5, 3, 2	2, 4, 4	1, 4, 5	2, 4, 4	1, 3, 6	1, 5, 4	1, 4, 5	4, 5, 1	2, 4, 4	3, 2, 5	2, 2, 6	2, 4, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of 5/9° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30795—19) Wt. 24—561/P25 500 11/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	51	6th	41	6th	48·7	44·4	46·6	+ 2·3	4	1·26	32	+ 7										
a, Islands .. p Deerness, Orkney ..	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness ..	—	—	—	—	—	—	—	—	—
a, Islands .. a Stornoway	51	52	6th	37	2nd	49·7	42·1	45·9	+ 1·3	4	0·98	25	- 9	Stornoway ..	1·5	- 0·5	17	—	—	—	—	—	—
a, Islands .. a Castlebay, Barra I. ..	37	54	6th	44	1st	51·6	46·4	49·0	—	5	1·14	29	—	Castlebay ..	0·7	—	8	—	—	—	—	—	—
b, Mainland. a Wick	81	53	6th	37	5, 6	49·3	42·6	46·0	+ 1·9	4	0·29	7	- 12										
b, Mainland. a Strathpeffer	125	53	31, 6	27	2nd	46·7	35·3	41·0	- 2·6	1	0·19	5	- 12										
b, Mainland. p Glencarron	500	57	31st	29	2nd	49·0	36·6	42·8	- 0·3	3	1·00	25	- 30										
b, Mainland. a Fort Augustus.. ..	85	55	31st	28	2nd	49·7	35·4	42·6	- 1·4	4	0·18	5	- 21										
b, Mainland. p Fort William	171	56	31st	33	2nd	50·3	38·9	44·6	- 0·3	4	0·73	19	- 28										
1. SCOTLAND, E.																							
a Nairn	82	54	6th	28	2nd	48·9	35·7	42·3	- 1·2	1	0·08	2	- 14	Nairn	2·5	—	28	—	—	—	—	—	—
p Gordon Castle	101	54	6th	36	5th	48·9	40·6	44·8	+ 0·2	2	0·08	2	- 18	Gordon Castle..	1·4	—	16	—	—	—	—	—	—
a Aberdeen	46	52	6th	37	5th	49·1	42·9	46·0	+ 1·4	2	0·06	2	- 18	Aberdeen ..	0·8	- 1·4	9	2	28	—	—	49·4	+0·9
a Balmoral	930	51	6th	33	5, 6	45·0	36·3	40·7	- 0·2	1	0·23	6	- 18	Balmoral ..	—	—	—	2	27	—	—	—	—
p Crieff	432	52	6th	35	5th	47·3	39·9	43·6	- 0·4	3	0·09	2	- 26	Crathes	1·0	- 1·1	11	2	26	45·2	- 0·4	48·5	- 0·3
a Dundee	244	51	6th	32	5th	48·6	39·6	44·1	+ 0·1	2	0·10	3	- 14	Dundee	1·7	—	19	2	23	44·7	—	—	—
a Leith	30	52	6th	38	31st	48·4	40·6	44·5	- 1·4	2	0·09	2	- 12	Leith	—	—	—	0	34	—	—	—	—
p Edinburgh	441	52	31st	37	31st	47·7	40·6	44·2	- 0·6	1	0·07	2	- 14	Edinburgh ..	1·8	- 0·6	19	0	33	—	—	—	—
a West Linton	769	54	31st	31	5th	45·6	35·3	40·5	- 0·4	3	0·16	4	—	West Linton ..	1·5	—	16	2	25	—	—	—	—
p Marchmont	498	51	5th	33	6th	46·9	37·1	42·0	- 1·5	3	0·09	2	- 21	Marchmont .	1·3	- 0·7	14	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	52	31, 6	31	3rd	49·1	39·0	44·1	—	4	1·61	41	—	Ford (Argyll) ..	—	—	—	3	25	46·6	—	50·9	—
p Glasgow Observatory	180	52	1, 6	39	5th	48·7	43·3	46·0	+ 0·8	3	0·22	6	- 16	Glasgow.. ..	0·8	- 0·6	9	1	29	—	—	—	—
a Renfrew	49	53	31, 6	36	5, 6	48·9	40·7	44·8	—	2	0·24	6	—	Renfrew ..	0·9	—	10	1	27	—	—	—	—
p Rothesay	200	52	31, 6	40	5th	49·4	42·3	45·9	- 0·1	4	0·60	15	- 15	Rothesay ..	0·3	—	4	0	33	45·7	—	49·7	+3·4
a Kilmarnock	90	53	31, 5	32	5th	49·6	39·9	44·8	+ 0·4	2	0·15	4	- 19	Kilmarnock ..	1·2	—	13	—	—	45·4	—	49·8	—
a Colmonell	170	56	5, 6	31	2, 3	51·1	38·7	44·9	- 1·0	5	0·44	11	- 19	Colmonell ..	—	—	—	1	29	—	—	—	—
p Dumfries	160	52	6th	36	5th	48·4	39·9	44·2	- 1·0	1	0·07	2	- 21	Dumfries ..	1·6	—	17	3	27	44·8	- 0·9	48·8	- 1·5
a Eskdalemuir	794	49	5, 6	35	6th	45·1	37·4	41·3	—	3	0·07	2	—	Eskdalemuir ..	1·8	—	19	1	28	—	—	—	—
b, I. OF MAN p Douglas	284	53	31, 6	43	4, 5	49·9	44·4	47·2	0·0	4	1·07	27	- 3	Douglas	0·8	- 2·0	8	0	35	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	54	6th	31	6th	48·4	38·4	43·4	- 1·8	0	0·00	0	- 20										
a Tynemouth	118	53	6th	38	31, 6	48·9	41·7	45·3	- 0·7	0	0·00	0·1	- 14	Cockle Park ..	1·3	- 1·1	14	1	28	43·0	- 0·9	47·2	- 0·7
p Durham	336	53	5th	30	6th	48·6	36·7	42·7	- 2·1	1	0·01	0·3	- 15	Durham ..	1·2	- 0·8	13	2	23	—	—	—	—
a North .. p Rounton	249	50	31, 6	33	6th	47·4	38·3	42·9	- 1·8	0	0·00	0	- 14	Rounton ..	—	—	—	3	22	45·3	—	—	—
a West Witton	605	50	5, 6	32	31, 1	45·6	36·6	41·1	—	2	0·60	15	—	West Witton ..	—	—	—	2	27	43·2	—	48·5	—
p Scarborough	118	57	5th	37	31, 6	51·7	41·7	46·7	- 0·2	0	0·00	0	- 16	Scarborough ..	1·4	- 0·8	14	—	—	—	—	50·6	—
p York	56	52	5th	30	6th	48·4	39·0	43·7	- 2·2	1	0·05	1	- 12	York	0·9	- 0·9	10	—	—	47·3	- 1·2	50·2	- 1·5
b, South .. a Spurn Head	26	51	31, 1, 6	37	6th	49·0	40·6	44·8	- 2·7	0	0·00	0	- 12	Spurn Head ..	—	—	—	—	—	—	—	—	—
b, South .. a Lincoln	58	52	6th	30	31st	48·3	37·9	43·1	- 2·6	2	0·33	8	- 4	Lincoln	—	—	—	2	29	44·7	- 2·0	50·6	- 1·4
b, South .. a Fulbeck	180	52	6th	29	6th	48·3	35·1	41·7	- 4·2	2	0·36	9	- 3	Fulbeck	0·8	- 1·5	8	3	24	—	—	—	—
														Skegness ..	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	51	6th	33	31st	48·7	38·1	43·4	- 4·3	1	0·06	2	- 13	Cromer	3·6	+ 0·9	37	—	—	—	—	—	—
a Little Massingham ..	277	50	31st	26	31st	46·7	32·4	39·6	- 6·5	2	0·04	1	- 17	Lit. Massingham	3·0	+ 0·6	32	—	—	—	—	—	—
a Yarmouth	13	52	31, 6	31	3rd	49·4	37·4	43·4	- 4·2	1	0·01	0·2	- 17	Yarmouth ..	3·2	—	34	1	29	48·3	+ 0·2	52·3	- 0·7
a Norwich	93	51	31st	26	4th	48·0	30·9	39·5	- 7·2	1	0·02	1	- 17	Norwich ..	3·7	—	38	6	22	38·5	—	—	—
a Geldeston	37	55	6th	25	4th	50·0	30·7	40·4	- 6·9	1	0·01	0·2	- 17	Geldeston ..	3·7	+ 1·1	39	—	—	—	—	—	—
p Cambridge	41	55	31st	25	6th	49·6	30·9	40·3	- 6·3	2	0·06	2	- 12	Cambridge ..	2·8	0·0	27	6	19	44·1	- 4·2	51·5	- 1·5
a Clacton-on-Sea ..	54	53	31st	34	3–5	49·3	37·1	43·2	- 4·6	2	0·15	4	- 8	Clacton	3·8	+ 1·4	40	1	30	46·6	- 4·1	53·1	- 0·8
a Rothamsted	420	52	31st	28	31, 6	45·9	33·1	39·5	- 6·6	2	0·25	6	- 12	Rothamsted ..	2·4	- 0·2	25	5	18	43·8	—	—	—
p Tottenham	51	55	31st	31	31, 6	49·0	34·4	41·7	—	1	0·20	5	—	Tottenham ..	2·4	—	24	2	28	—	—	52·9	- 1·5
														S'thend-on-Sea	3·9	—	40	3	30	48·2	- 2·2	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	49	5, 6	29	31st	45·6	37·4	41·5	- 3·0	1	0·52	13	- 6	Harrogate ..	1·0	- 1·3	10	3	26	46·0	- 0·8	49·0	+ 0·1
a North .. p Sheffield	439	51	6th	33	31st	47·0	39·3	43·2	—	2	0·62	16	—	Sheffield	0·6	- 1·5	6	2	29	44·6	- 2·5	49·4	- 1·4
a North .. p Buxton	987	48	6th	30	6th	43·7	35·1	39·4	- 3·6	2	0·56	14	- 17	Buxton	1·0	—	10	4	26	42·8	- 2·2	49·7	- 0·4
b, East .. a Worksop	56	55	6th	30	31, 6	49·0	36·9	43·0	- 2·6	2	0·33	8	- 7	Worksop ..	1·0	- 1·0	10	3	23	45·1	—	49·3	—
b, East .. a Nottingham	82	51	31, 6	28	6th	48·0	35·7	41·9	- 3·7	2	0·16	4	- 10	Nottingham ..	0·2	- 1·7	2	3	26	42·6	- 3·5	49·3	- 1·7
b, East .. p Birmingham, Edgbsn.	525	53	6th	34	5th	47·1	37·6	42·4	- 3·4	2	0·44	11	- 5	Birmingham ..	0·9	- 0·8	9	3	19	44·4	- 2·4	50·1	- 0·6
b, East .. a Raunds	203	54	6th	24	6th	48·4	32·9	40·7	- 4·8	2	0·35	9	- 6	Raunds	1·5	—	15	3	22	44·6	—	—	—
b, East .. p Oxford	208	52	31st	27	6th	45·9	35·6	40·8	- 5·7	1	1·08	27	+ 11	Oxford	1·3	- 1·3	13	4	23	—	—	—	—
														Malvern ..	2·5	—	26	3	28	45·9	—	51·2	—
c, West .. a Cheadle (N. Staffs.) ..	646	49	6th	32	31st	45·3	35·4	40·4	- 4·2	2	0·67	17	- 2	Cheadle	—	—	—	0	31	—	—	—	—
c, West .. p Tenbury	313	53	6th	28	5, 6	48·7	34·4	41·6	- 4·0	1	0·32	8	- 7	Tenbury	—	—	—	4	24	46·2	—	—	—
c, West .. a Hereford	291	54	6th	29	6th	48·0	36·1	42·1	- 3·8	3	0·52	13	- 4	Ross-on-Wye ..	2·3	—	24	2	21	46·6	—	52·1	—
c, West .. a Clifton	226	53	31, 1	31	6th	47·7	37·9	42·8	- 4·7	2	0·70	18	- 4	Clifton	1·9	—	20	2	28	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	55	3rd	27	6th	49·0	33·6	41·3	- 4·3	1	0·57	14	- 9	Worthing ..	3·5	+ 0·3	36	3	29	46·3	- 3·9	52·9	- 1·5
p Wilton Ho.*	180	57	31st	29	6th	48·9	33·3	41·1	- 5·5	2	0·77	20	- 6	Marlborough ..	1·7	- 0·7	17	3	24	46·6	—	52·3	—
a Wisley, Surrey ..	150	54	31st	27	4th	48·0	33·4	40·7	- 6·2	2	0·97	25	+ 7	Wilton Ho. ..	—	—	—	5	25	48·2	—	—	—
a Tunbridge Wells ..	354	54	31st	33	4th	49·3	32·1	40·7	- 6·8	1	0·37	9	- 16	Wisley	1·8	- 0·8	18	6	19	45·1	- 3·2	51·2	- 1·2
a Margate	51	54	31st	37	31, 2	49·6	42·1	45·9	- 3·3	2	0·18	5	- 13	Tunbridge Wells	2·3	- 0·6	24	5	20	46·1	- 2·0	52·3	—
														Margate	2·3	- 0·3	23	1	39	47·5	- 1·7	53·6	+ 0·5
a Dungeness	21	55	31st	33	3, 4	50·6	38·4	44·5	- 4·7	2	0·06	1	- 21	Folkestone ..	2·4	—	25	—	—	—	—	54·0	—
p St. Leonards	178	56	31st	36	3–5	50·1	38·9	44·5	- 4·8	1	0·17	4	- 20	St. Leonards ..	2·9	- 0·2	30	0	31	46·2	—	53·5	—
p Southampton	64	53	31st	31	6th	48·7	36·0	42·4	- 6·6	2	1·37	35	+ 10	Southampton ..	2·6	- 0·3	26	5	24	—	—	—	—
a Ventnor	59	56	31st	36	3, 6	50·4	40·0	45·2	- 5·8	2	0·83	21	- 4	Ventnor	3·4	+ 0·2	35	—	—	—	—	—	—
LONDON. a Richmond Kew Obs.)	18	54	31st	30	4, 5	46·4	33·1	39·8	- 7·7	1	0·28	7	- 10	Richmond ..	1·5	- 0·8	15	6	22	42·8	- 5·4	51·3	- 1·4
a Westminster	27	57	31st	31	4, 5	47·6	35·2	41·4	- 7·3	1	0·15	4	- 12	Westminster ..	0·7	- 0·8	8	5	27	—	—	—	—
ag Greenwich	149	57	31st	28	31, 4, 5	48·0	33·0	40·5	- 5·9	1	0·18	5	- 9	Greenwich ..	1·6	- 0·6	16	5	17	—	—	—	—
a Hampstead	450	—	—	—	—	—	—	—	—	—	—	—	—	Hampstead ..	—	—	—	—	—	—	—	—	—
ag Camden Square ..	110	55	31st	29	4th	47·7	32·7	40·2	- 7·9	2	0·17	4	- 11	Camden Square	—	—	—	6	25	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	50	6th	34	4th	47·6	39·3	43·5	- 1·6	4	0·13	3	- 22	Aspatria	1·9	- 0·6	20	3	27	45·3	- 0·9	49·1	- 1·0
p Newton Rigg	559	50	5, 6	31	2nd	47·4	35·7	41·6	- 2·2	2	0·03	1	- 21	Newton Rigg ..	2·5	+ 0·4	27	5	26	—	—	—	—
p Stonyhurst	375	50	5th	34	6th	47·3	37·9	42·6	- 2·7	2	0·06	1	- 27	Stonyhurst ..	1·9	- 0·2	20	3	27	—	—	—	—
p Blackpool	66	52	31, 5	34	6th	49·7	38·4	44·1	- 2·4	4	0·32	8	- 14	Blackpool ..	2·7	+ 0·4	29	1	28	48·0	—	51·4	—
a Southport	37	52	6th	34	4th	48·1	38·0	43·1	- 3·4	3	0·32	8	- 12	Southport ..	2·1	- 0·2	22	4	25	43·4	- 2·4	48·7	- 1·6
														Hoylake ..	—	—	—	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	54	6th	39	2–4	48·0	39·9	44·0	- 3·0	3	0·31	8	- 10	Liverpool ..	1·5	—	16	1	30	—	—	—	—
a Hawarden Bridge ..	22	56	6th	36	6th	50·0	39·1	44·6	- 2·9	2	0·13	3	- 13	Manchester (City)	0·6	- 0·6	6	0	33	44·4	- 2·8	51·5	- 1·3
p Manchester (Whit. Pk.)	125	51	31st	33	4, 6	47·9	37·7	42·8	- 3·9	2	0·16	4	- 14	Whitworth Park	0·5	- 0·7	5	—	—	—	—	—	—
8. NORTH WALES.																							
p Llandudno	22	55	31, 6	37	6th	51·0	42·1	46·6	- 2·0	2	0·04	1	- 19	Llandudno ..	1·9	- 0·7	20	—	—	—	—	—	—
a Holyhead	15	56	6th	42	3rd	51·9	45·4	48·7	- 0·2	3	1·69	43	+ 18	Holyhead ..	1·8	—	19	0	38	—	—	—	—
a Aberdovey	60	56	5th	38	6th	51·3	43·7	47·5	—	2	0·39	10	—	Aberdovey ..	1·7	- 1·0	18	0	40	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
7. *a*, SOUTH WALES.																						
a Aberystwyth	16	59	31st	36	6th	51·9	41·7	46·8	—	1	0·45	11	—	Aberystwyth ..	1·8	- 0·8	19	—	—	—	—	—	—
a Rhayader	757	51	31, 6	24	6th	48·0	34·9	41·5	—	3	0·70	18	—	Rhayader ..	1·1	—	11	4	18	—	—	—	—
a St. Ann's Head ..	149	55	6th	41	4th	52·9	44·0	48·5	- 1·1	1	0·99	25	- 2	St. Ann's Head	2·6	0·0	26	—	—	—	—	—	—
p Cardiff	202	54	6th	33	5th	48·6	36·4	42·5	- 4·2	3	0·73	19	- 10	Cardiff	2·0	—	21	3	26	46·0	- 2·3	52·6	- 0·1
b, ENGLAND, S.W.																						
a Bath	66	55	31st	30	5th	48·3	35·3	41·8	- 5·1	2	0·62	16	- 4	Bath	1·9	- 0·6	20	—	—	48·8	- 1·6	54·0	- 0·9
a Shaftesbury	722	51	31, 6	32	5th	47·3	35·4	41·4	- 4·8	2	1·00	25	+ 1	Shaftesbury ..	—	—	—	—	—	46·5	—	52·2	—
a Arlington	613	53	31st	32	6th	49·4	36·7	43·1	- 3·7	3	0·46	12	- 28										
a Newquay	190	54	5, 6	37	6th	51·8	42·0	46·9	- 3·3	2	0·52	13	- 12	Newquay ..	4·0	+ 1·1	41	—	—	51·3	—	54·8	—
a Cullompton	202	56	6th	27	6th	50·0	34·6	42·3	- 4·7	2	0·78	20	- 5	Cullompton ..	2·2	0·0	23	4	22	47·3	—	—	—
a Portland Bill	12	56	31st	35	3rd	50·0	39·6	44·8	- 5·6	2	0·91	23	+ 2	Weymouth ..	3·5	—	36	—	—	—	—	—	—
p Plymouth	116	56	31st	35	1st	52·1	39·6	45·9	- 3·9	2	0·35	9	- 16	Plymouth ..	2·8	+ 0·1	29	0	33	49·1	- 1·3	54·6	—
a Falmouth	167	56	6th	38	6th	54·1	41·7	47·9	- 2·0	2	0·58	15	- 18	Falmouth ..	3·4	+ 0·5	35	1	29	52·9	—	56·7	—
9. IRELAND, N.																						
a West .. *a* Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a Blacksod Point ..	10	56	6th	41	31st	53·9	45·6	49·8	+ 1·7	6	0·67	17	- 15	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	0·7	- 1·7	7	1	28	50·0	+ 1·5	52·8	+ 0·4
p Markree Castle ..	122	54	6th	35	5th	52·1	41·7	46·9	+ 1·6	6	0·40	10	- 16										
b, East .. *p* Armagh	204	54	4th	35	5th	50·0	41·6	45·8	+ 0·4	6	0·72	18	+ 1	Armagh	0·7	- 1·8	7	0	31	48·6	+ 0·7	51·3	- 0·2
a Donaghadee	35	53	6th	41	6th	50·9	45·3	48·1	+ 1·2	5	2·28	58	+ 39										
10. IRELAND, S.																						
p Dublin, City	54	55	4th	39	5th	52·7	44·1	48·4	+ 0·6	3	0·14	4	- 12	Trinity Coll. ..	0·6	—	7	0	33	49·6	+ 1·0	52·0	+ 0·2
a Birr Castle	175	54	3rd	34	6th	51·9	40·7	46·3	+ 0·9	5	0·31	8	- 10	Phœnix Park ..	1·3	- 1·5	14	1	28	—	—	—	—
a Kilkenny	195	55	6th	36	5th	51·7	42·1	46·9	+ 0·8	4	0·17	4	- 15	Dublin City ..	—	—	—	0	34	—	—	—	—
a Waterford	137	55	6th	37	1st	52·0	42·6	47·3	- 0·3	2	0·17	4	- 19	Birr Castle ..	1·7	- 0·8	18	1	28	—	—	—	—
p Seskin, Carrick-on-Suir	542	57	6th	35	1st	52·4	41·9	47·2	—	5	0·27	7	—	Seskin	2·6	—	28	0	34	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	57	3rd	40	31, 5	53·7	44·0	48·9	+ 1·3	6	0·61	16	- 7										
a Cahirciveen (Val. Obs.)	30	56	3rd	39	2nd	53·7	44·7	49·2	- 0·4	6	1·77	45	+ 12	Cahirciveen ..	2·2	- 0·5	23	0	35	—	—	—	—
a Killarney	174	59	3rd	39	1, 5	54·4	42·4	48·4	+ 0·3	7	0·83	21	- 12	Ballinacurra ..	3·1	+ 0·6	33	—	—	—	—	—	—
a Roche's Point	32	57	6th	41	1st	54·3	45·6	50·0	+ 0·8	7	0·59	15	- 10										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	56	6th	45	1st	53·3	48·4	50·9	- 0·5	4	0·67	17	- 3	Scilly	2·9	- 0·1	30	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	55	31, 6	42	1st	51·9	44·9	48·4	- 3·0	2	0·47	12	- 13	St. Heliers ..	2·1	- 1·1	22	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	57	6th	42	1st	53·0	46·1	49·6	- 1·8	2	1·06	27	+ 1	Guernsey† ..	2·4	- 0·7	24	0	34	51·0	- 1·5	55·6	- 0·5

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brocklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 6th, 1920.

DISTRICT AND STATION.	Height.			Distribution of Wind.†								Extreme Velocities.							
	Above Mean Sea Level	Above Ground.	Above Building.	More than 17 m/s or 39 mi/hr.		11 to 17 m/s. 25 to 38 mi/hr.		6 to 10 m/s.	2 to 5 m/s.	Less than 2 m/s.	No Record.	Highest Hourly Wind.				Highest Gust.			
				Dates of Occurrence.	Duration.	Dates of Occurrence.	Duration.	Duration.	Duration.	Duration	Duration.	Veer from N.	Speed.	Mid Time.		Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	30, 31, 1	26	31 to 4	80	38	24	0	0	130	24	31	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	33	93	42	0	130	10	31	24	20	31	9	50
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	0	31, 1	23	41	87	17	0	140	13	31	22	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	46	77	45	0	160	11	31	3	16	1	1	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	31, 1	16	35	52	65	0	90	18	1	6	24	6	5	55
Paisley	188	81	15	—	0	—	0	39	91	38	0	160	10	31	2	19	1	3	20
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	31, 1	8	24	40	94	0	130	12	31	22	21	31	21	45
South Shields	72	61	12	—	0	31, 1	23	16	71	58	0	130	17	1	3	23	1	0	30
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	31	2	31, 1	33	28	82	23	0	140	17	31	20	22	31	19	55
Shoeburyness	103	90	‡	—	0	31, 1	26	33	83	26	0	130	16	31	24	19	31	19	55
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	34	66	71	0	110	10	31	22	17	31	19	10
5. ENGLAND, S.E.																			
Brighton	281	53	6	—	0	31	6	26	98	38	0	—	13	31	19	22	31	20	15
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	85	22	—	0	—	0	25	54	89	0	120	9	31	20	16	31	19	55
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	31, 1	8	45	85	30	0	140	12	31	5	—	—	—	—
Southport	80	62	48	—	0	31, 1	15	50	74	29	0	110	13	31	15	19	31	14	25
Holyhead	60	40	‡	—	0	31, 1	15	56	92	5	0	140	16	31	7	24	31	3	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	31	1	31	8	53	73	33	0	180	17	31	4	22	31	4	30
Plymouth	185	88	2	—	0	31	11	13	99	45	0	—	16	31	7	21	31	11	15
Lyme Regis	556	61	‡	—	0	31	5	16	30	117	0	—	17	31	15	23	31	14	50
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	31, 1	13	55	85	15	0	160	14	31	1	—	—	—	—
Quiity	100	40	‡‡	—	0	—	0	31	80	67	0	—	10	1	6	14	1	5	55
Cahirciveen (Val Obs.)	98	41	‡‡	—	0	1	1	50	78	26	13	350	12	1	10	22	1	8	25
Weaver Pt.	160	30	‡‡	—	0	—	0	23	112	16	18	—	7	5	7	11	1	16	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	31	1	25	95	47	0	330	12	31	9	17	31	8	50

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. (Vide Guide to Tables of the W.W.R.)
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees
** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FOURTH WEEK of 1920—October 31st to November 6th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	e. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	57	27	82·5	77·1	79·8	+ 0·1	27	0	8	− 3	3	− 2	0·66	17	− 16	1·5	−0·5	17	1009
Eastern.																			
1. SCOTLAND, EAST ...	54	28	81·6	76·7	79·2	− 0·4	22	− 6	10	− 4	2	− 3	0·11	3	− 19	1·5	−0·5	17	1011
2. ENGLAND, N.E.	57	29	82·3	76·8	79·6	− 1·2	26	− 10	9	+ 2	1	− 3	0·08	2	− 13	1·1	−1·1	12	1011
3. ENGLAND, EAST ...	55	25	82·2	74·1	78·1	− 3·2	18	− 24	33	+27	1	− 3	0·09	2	− 14	3·1	+0·5	32	1010
4. MIDLAND COUNTIES ...	55	24	81·6	75·2	78·4	− 2·2	15	− 23	25	+16	2	− 2	0·51	13	− 5	1·1	−1·1	12	1010
5. ENGLAND, S.E.	57	23	82·5	75·3	78·9	− 3·2	29	− 20	17	+14	2	− 2	0·56	14	− 9	2·4	−0·3	25	1009
Western.																			
6. SCOTLAND, WEST ...	56	31	82·7	78·1	80·4	− 0·3	27	− 7	3	− 5	3	− 2	0·59	15	− 17	0·8	−1·3	9	1011
7. ENGLAND, N.W.	56	31	82·4	77·2	79·8	− 1·4	26	− 12	7	+ 2	3	− 2	0·32	8	− 16	1·9	−0·2	20	1009
8. ENGLAND, S.W.	56	24	83·1	76·2	79·7	− 2·3	32	− 15	12	+ 9	2	− 3	0·71	18	− 11	2·4	−0·1	25	1008
9. IRELAND, NORTH ...	56	34	84·0	79·1	81·6	+ 0·7	38	+ 1	0	− 5	6	+ 1	0·88	22	− 2	0·7	−1·7	7	1008
10. IRELAND, SOUTH ...	59	34	84·7	79·3	82·0	+ 0·3	43	− 2	0	− 4	5	0	0·57	15	− 9	2·1	−0·6	22	1009
11. ENGLISH CHANNEL ...	57	42	84·5	81·1	82·8	− 1·1	53	− 15	0	0	3	− 2	0·73	19	− 5	2·5	−1·6	25	1007

THE SEASON (Autumn).—Aggregates, &c., for the Period of 10 Weeks, August 29th to November 6th, 1920.

0. SCOTLAND, NORTH ...	69	26	86·2	78·9	82·9	+ 0·4	580	+ 36	18	−20	34	−14	6·01	153	−112	3·2	+0·3	28	1014
Eastern.																			
1. SCOTLAND, EAST ...	71	19	86·4	79·0	82·6	− 0·1	580	+ 1	48	− 1	32	− 8	4·19	106	− 62	3·2	−0·2	27	1015
2. ENGLAND, N.E.	74	28	87·7	80·4	84·0	+ 0·1	710	+ 16	21	+ 1	27	− 9	3·20	81	− 57	3·3	−0·5	29	1016
3. ENGLAND, EAST ...	75	25	88·7	80·6	84·5	− 0·1	801	+ 9	55	+34	26	− 9	3·25	84	− 50	4·3	+0·1	37	1016
4. MIDLAND COUNTIES ...	75	24	88·C	79·9	83·8	− 0·2	708	− 13	47	+12	27	− 8	4·51	116	− 29	2·9	−0·8	25	1016
5. ENGLAND, S.E.	76	23	89·0	81·4	85·1	− 0·2	857	− 3	23	+ 8	24	−11	4·75	122	− 44	4·0	−0·4	35	1016
Western.																			
6. SCOTLAND, WEST ...	71	27	87·2	80·8	83·9	+ 0·5	700	+ 56	16	−11	34	− 5	7·36	186	− 65	2·9	−0·5	25	1016
7. ENGLAND, N.W.	74	30	87·8	80·9	84·2	0·0	750	+ 27	17	+ 3	28	−11	4·78	123	− 75	4·1	+0·5	35	1015
8. ENGLAND, S.W.	75	24	88·4	81·6	84·9	0·0	822	+ 9	14	+ 3	27	−13	6·72	171	− 49	3·8	−0·3	33	1015
9. IRELAND, NORTH ...	70	30	87·9	81·6	84·6	+ 0·9	762	+ 85	0	−18	42	− 2	7·84	199	0	3·1	−0·2	26	1012
10. IRELAND, SOUTH ...	71	31	88·6	82·1	85·3	+ 0·8	848	+ 81	2	−13	40	0	8·60	219	+ 20	3·4	−0·4	30	1013
11. ENGLISH CHANNEL ...	75	39	89·4	84·5	86·8	+ 0·1	1041	+ 19	0	0	30	−11	6·99	178	− 13	4·5	−0·5	38	1015

THE YEAR 1920.—Aggregates, &c., for the Period of 44 Weeks, January 4th to November 6th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·7	78·4	81·4	+ 0·3	2030	+ 23	405	−172	191	−13	44·71	1136	+111	3·8	+0·3	29	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·3	77·9	81·5	+ 0·2	2126	−104	504	−162	175	+ 2	26·28	666	+ 18	4·1	0·0	31	1011
2. ENGLAND, N.E.	79	24	86·6	79·3	82·8	+ 0·5	2711	+144	301	−191	160	+ 4	22·12	564	+ 39	4·0	−0·4	31	1013
3. ENGLAND, EAST ...	84	20	87·8	79·7	83·5	+ 0·6	3105	+155	325	−190	143	− 8	17·79	455	− 44	4·7	−0·1	36	1015
4. MIDLAND COUNTIES ...	82	20	87·5	79·3	83·1	+ 0·5	2860	+ 11	310	−247	166	+16	26·66	678	+121	3·6	−0·7	28	1015
5. ENGLAND, S.E.	81	17	87·9	80·4	84·0	+ 0·5	3250	+102	189	−205	144	− 3	22·29	570	+ 12	4·5	−0·5	35	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·8	79·4	82·4	+ 0·3	2463	+ 8	285	−158	201	+21	42·57	1082	+132	3·5	−0·7	27	1012
7. ENGLAND, N.W.	81	22	86·3	80·1	83·1	+ 0·4	2760	+ 79	204	−192	181	+16	34·44	876	+151	3·7	−0·6	29	1013
8. ENGLAND, S.W.	78	17	87·0	80·6	83·6	+ 0·3	2993	+ 23	145	−167	174	+ 9	34·18	867	+ 85	4·0	−0·8	31	1015
9. IRELAND, NORTH ...	77	23	86·1	79·6	82·7	+ 0·2	2613	+ 59	241	−117	214	+16	33·92	862	+ 75	3·5	−0·4	26	1011
10. IRELAND, SOUTH ...	78	22	87·0	80·4	83·6	+ 0·3	2960	+ 20	147	−128	204	+28	37·26	946	+130	3·8	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·6	82·6	85·0	+ 0·4	3619	+138	20	− 85	151	−19	24·86	630	− 16	5·1	−0·6	40	1016
	°F.	°F	a.	a	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
12th November, 1920.

METEOROLOGICAL OFFICE
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177
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 45.

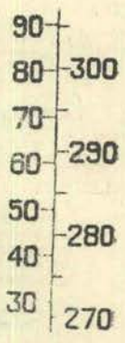
FORTY-FIFTH WEEK.

SUNDAY, NOVEMBER 7TH, TO SATURDAY, NOVEMBER 13TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net

I.—GENERAL SUMMARY. [First published in 1878.]

During the early days of the week anticyclonic conditions prevailed over the southern part of the British Isles, but Atlantic depressions had already begun to affect the weather in the west and north and by the end of the period cyclonic conditions had become general, and the first gale of the season was developing. The highest of the maximum temperatures occurred on Monday or Tuesday, and exceeded 288a in most districts; on Saturday, however, there were places in Scotland N. where the thermometer did not rise above 280a. The minima over central England were again considerably lower than those in Scotland; on Friday morning the thermometer in the screen went down to 269a at Rothamsted and Marlborough, while on the grass there were readings of 267a at Rothamsted and Wisley. The mean temperature was above the normal in all districts except the English Channel; over Scotland, where the excess was greatest, the divergence was about 3a. Rainfall was heavy in Scotland N., moderate in other parts of Scotland and in Ireland N., but in all other districts there was a deficiency. At Ford (Argyll) the total for the two days, 7th and 8th, was 46mm., while on the 12th at Fort William 37mm. fell. In England E. the precipitation was almost negligible, being mostly dew or wet mist. Thunderstorms occurred in different parts of Scotland on Saturday and were accompanied by hail in some places. Bright sunshine was generally less than normal; in Ireland it barely averaged half the normal and in the London district it was little better. Solar halos were seen at Tenbury on the 13th and at Oxford on the 12th and 13th.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	23	5·5	28	6·1	16	3·4	11	2·7	25	5·3	—	—	26	4·3	25	4·9
North	3	3·3	0	—	1	1·1	1	1·6	1	1·6	—	—	0	—	2	1·2
West	24	5·0	27	5·0	17	2·4	10	1·6	28	4·7	—	—	22	3·0	21	3·2
East	2	3·2	0	—	0	—	0	—	0	—	—	—	1	0·9	0	—
Calm	1	—	0	—	11	—	16	—	0	—	—	—	2	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Very unusual	Unusual	Moderate	Unusual	Moderate	Very unusual	Very unusual	Moderate	Very unusual	Unusual	Moderate
	Rainfall ...	Very heavy	Moderate	Light	Very light	Light	Very light	Moderate	Light	Light	Moderate	Light	Light
	Sunshine ...	Scanty	Abundant	Moderate	Moderate	Moderate	Scanty	Scanty	Moderate	Moderate	Scanty	Scanty	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 11 weeks from August 29th, 1920.	Warmth ...	4, 5, 2	3, 5, 3	4, 5, 2	3, 5, 3	4, 4, 3	3, 5, 3	4, 6, 1	4, 5, 2	2, 6, 3	7, 2, 2	6, 4, 1	3, 5, 3
	Rainfall ...	2, 2, 7	2, 3, 6	3, 1, 7	2, 1, 8	2, 3, 6	2, 4, 5	2, 3, 6	1, 4, 6	3, 2, 6	2, 6, 3	4, 3, 4	3, 5, 3
	Sunshine ...	5, 3, 3	3, 4, 4	1, 5, 5	2, 5, 4	1, 4, 6	1, 5, 5	1, 4, 6	4, 6, 1	2, 5, 4	3, 2, 6	2, 2, 7	2, 5, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(36895—19) Wt. 24—561/P25 500 11/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.			Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
0. SCOTLAND, N.	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F	°F
a, Islands: a Lerwick	54	54	8th	41	12th	51·0	43·6	47·3	+ 3·3	7	1·61	41	+ 16										
p Deerness, Orkney	165	56	9th	39	11,12	51·0	43·9	47·5	+ 3·3	7	1·38	35	+ 11	Deerness	1·2	- 0·3	14	—	—	—	—	—	—
a Stornoway	31	56	7–9	39	11th	51·9	44·4	48·2	+ 4·1	7	2·80	71	+ 37	Stornoway	0·5	- 1·2	6	—	—	—	—	—	—
a Castlebay, Barra I.	37	55	8, 9	44	11th	53·0	48·1	50·6	—	7	0·67	17	—	Castlebay	0·6	—	7	—	—	—	—	—	—
b, Mainland: a Wick	81	57	8th	35	12th	51·9	42·6	47·3	+ 3·9	4	0·39	10	- 9										
a Strathpeffer	125	59	9th	35	11,12	52·3	42·1	47·2	+ 4·3	6	1·26	32	+ 15										
p Glencarron	500	55	8th	35	12th	51·6	42·6	47·1	+ 4·7	7	4·22	107	+ 52										
a Fort Augustus	85	57	8th	35	11th	51·0	42·1	46·6	+ 3·3	—	—	—	—										
p Fort William	171	55	8, 9	38	8th	52·9	43·9	48·4	+ 4·2	7	4·07	103	+ 56										
1. SCOTLAND, E.																							
a Nairn	82	59	9th	37	12th	52·7	44·3	48·5	+ 5·7	5	0·52	13	- 2	Nairn	2·5	—	30	—	—	—	—	—	—
p Gordon Castle	101	59	7, 9	37	13th	55·7	44·0	49·9	+ 6·1	4	0·49	12	- 7	Gordon Castle	2·4	—	28	—	—	—	—	—	—
a Aberdeen	46	58	9th	38	11,12	53·6	42·9	48 3	+ 4·5	2	0·08	2	- 17	Aberdeen	2·9	+ 0·7	33	2	26	—	—	48·6	+1·2
a Balmoral	930	58	9th	31	11th	51·4	40·7	46·1	+ 6·0	5	1·11	28	+ 5	Balmoral	—	—	—	1	26	—	—	—	—
p Crieff	432	59	9th	37	11th	52·9	43·6	48·3	+ 5·2	5	1·22	31	+ 4	Crathes	2·8	+ 0·7	33	1	26	45·4	+1·7	47·5	+0·1
a Dundee	244	57	9th	33	11th	52·9	43·3	48·1	+ 5·1	3	0·33	8	- 8	Dundee	1·6	—	19	1	24	45·1	—	—	—
a Leith	30	59	9th	41	12th	54·4	47·4	50·9	+ 5·9	4	0·63	16	+ 3	Leith	—	—	—	0	36	—	—	—	—
p Edinburgh	441	58	9th	40	11,13	54·0	46·0	50·0	+ 6·1	6	0·65	17	+ 2	Edinburgh	2·4	+ 0·1	28	0	36	—	—	—	—
a West Linton	769	54	8, 9	32	11th	50·4	43·4	46·9	+ 7·1	7	1·19	30	—	West Linton	1·1	—	12	1	28	—	—	—	—
p Marchmont	498	56	9th	36	11th	52·0	44·4	48·2	+ 5·6	3	0·33	8	- 13	Marchmont	2·2	+ 0·2	25	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	55	9th	37	11th	50·9	44·6	47·8	—	7	3·38	86	—	Ford (Argyll)	—	—	—	1	30	48·4	—	49·6	—
p Glasgow Observatory	180	55	8, 9	41	13th	53·0	46·7	49·9	+ 5 8	6	1·37	35	+ 12	Glasgow	0·7	- 0·3	8	0	32	—	—	—	—
a Renfrew	49	56	8, 9	42	11th	53·4	47·6	50·5	—	6	1·36	35	—	Renfrew	0·9	—	10	0	33	—	—	—	—
p Rothesay	200	56	9th	38	13th	53·1	45·1	49·1	+ 4·1	7	2·18	55	+ 24	Rothesay	0·3	—	3	0	33	48·0	—	49·0	+0·7
a Kilmarnock	90	56	8th	43	11th	53·3	48·1	50·7	+ 7·5	6	1·24	32	+ 9	Kilmarnock	0·9	—	11	—	—	48·1	—	49·2	—
a Colmonell	170	57	8th	39	7th	53·7	46·7	50·2	+ 5·4	5	0·52	13	- 18	Colmonell	—	—	—	0	38	—	—	—	—
p Dumfries	160	59	11th	42	11th	54·9	47·3	51·1	+ 7·2	3	0·77	20	- 2	Dumfries	1·7	—	19	0	37	47·7	+3·9	48·5	-0·2
a Eskdalemuir	794	52	8, 9	37	11,12	49 9	43·0	46·5	—	7	1·55	39	—	Eskdalemuir	1·4	—	16	0	31	—	—	—	—
b, I. OF MAN p Douglas	284	55	7, 9	42	11th	53·9	47·3	50·6	+ 4·3	5	0·80	20	- 10	Douglas	1·9	- 0·2	21	0	35	—	—	—	—
2. ENGLAND, N.E.																							
a North: a Alnwick Castle	210	58	9th	40	12th	54·1	46·7	50·4	+ 6·4	3	0·30	8	- 11										
a Tynemouth	118	58	9th	40	7th	53·7	45·6	49·7	+ 4·9	3	0·28	7	- 6	Cockle Park	2·1	- 0·1	24	0	34	46·4	+4·3	47·2	+0·6
a Durham	336	58	9, 10	41	11th	54·0	45·8	49·8	+ 6·2	3	0·29	7	- 7	Durham	1·8	- 0 2	20	1	28	—	—	—	—
p Rounton	249	58	9th	38	11th	53·7	44·4	49·1	+ 5·6	3	0·16	4	- 10	Rounton	—	—	—	1	26	46·4	—	—	—
a West Witton	605	56	9th	40	11th	52·3	45·7	49·0	—	2	0·39	10	—	West Witton	—	—	—	1	30	45·8	—	47·5	—
p Scarborough	118	59	9th	39	12th	54·0	45·6	49·8	+ 4·1	3	0·07	2	- 14	Scarborough†	2·3	+ 0·4	26	—	—	—	—	49·5	—
p York	56	57	8th	38	12th	53·4	44·6	49·0	+ 4·4	3	0·12	3	- 10	York	1·2	- 0·4	14	—	—	47·5	+0·7	50 1	-0·4
b, South: a Spurn Head	26	56	9th	37	7th	52·9	41·0	47·0	+ 0·9	2	0 20	5	- 7	Spurn Head	—	—	—	—	—	—	—	—	—
a Lincoln	58	57	9th	35	7th	54·1	40·7	47·4	+ 3·0	0	0·00	—	- 12	Lincoln	—	—	—	0	32	45·5	- 1·2	49·5	- 1·1
a Fulbeck	180	59	8th	36	12th	54·9	41·0	48·0	+ 1·6	2	0·02	1	- 11	Fulbeck	3·0	—	33	1	29	—	—	—	—
														Skegness	3·0	+ 0·6	33	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	57	8, 9	34	12th	54·6	37·6	46·1	0·0	2	0·04	1	- 12	Cromer	4 1	+ 1·7	45	—	—	—	—	—	—
a Little Massingham	277	55	9th	33	12th	52·1	37·6	44·9	+ 0·5	4	0·07	2	- 14	Lit. Massingham	2·7	+ 0·5	30	—	—	—	—	—	—
a Yarmouth	13	57	9th	36	7th	54·3	39·0	46·7	+ 0·8	1	0·01	0·2	- 14	Yarmouth	3·4	—	37	0	33	47·4	+1·6	51·0	-0·5
a Norwich	93	56	9, 13	31	12th	53·3	37·3	45·3	+ 0·4	1	0·01	0	- 15	Norwich	3·9	—	42	4	24	40·8	—	—	—
a Geldeston	37	58	9th	25	12th	56·0	33·1	44·6	- 1·1	0	0·00	0	- 14	Geldeston	3·0	+ 0·5	33	—	—	—	—	—	—
p Cambridge	41	60	13th	27	12th	55·6	36·6	46·1	+ 1·2	1	0·01	0·2	- 11	Cambridge	2·0	- 0·5	22	4	23	45·0	- 1·2	49·9	- 1·6
a Clacton-on-Sea	54	54	8, 10, 11	36	7, 12	52·4	40·1	46·3	+ 0·3	0	0·00	0	- 11	Clacton	2·1	- 0·7	23	0	32	46·9	- 1 8	51·2	- 1·5
a Rothamsted	420	55	13th	25	12th	52·1	37·0	44·6	+ 0·2	5	0·13	3	- 12	Rothamsted	1·3	- 1·3	14	3	20	44·7	—	—	—
p Tottenham	51	58	10th	33	12th	53·0	40·9	47·0	—	1	0·11	3	—	Tottenham	0·5	—	5	0	33	—	—	50·8	- 2·1
														Sthend-on-Sea	2·0	—	21	0	32	48·1	- 0·1	—	—
4. MIDLAND COUNTIES.																							
a North: a Harrogate	479	58	8th	40	11, 12	53·0	44·7	48·9	+ 5·3	3	0·33	8	- 10	Harrogate	1·6	- 0·3	18	0	32	47·1	+1·9	47·9	+0·3
p Sheffield	429	59	9th	39	12th	54·4	45·0	49·7	—	3	0·09	2	—	Sheffield	1·7	- 0·1	18	0	33	45·8	+0·4	48·3	-1·5
p Buxton	987	54	9th	32	12th	50·0	42·7	46·4	+ 4·3	4	0·30	8	- 21	Buxton	1·7	—	19	0	31	44·2	+1·3	48·4	-0·5
b, East: a Worksop	56	61	8th	36	12th	56·1	41·4	48·8	+ 4·2	1	0·02	1	- 12	Worksop	1·8	+ 0·1	20	2	28	46·0	—	48·6	—
a Nottingham	82	58	9th	28	7th	54·6	36·0	45·3	+ 0·7	2	0·02	0·4	- 12	Nottingham	0·9	- 0·7	9	2	28	44·3	+0·2	47·9	-1·5
p Birmingham, Edgbsn.	525	56	8, 9	37	12th	53·7	43·1	48·4	+ 3·6	3	0·13	3	- 12	Birmingham	3·5	+ 2·0	38	0	32	46·1	+0·7	49·3	-0·6
a Raunds	203	57	13th	28	7, 12	54·1	37·4	45·8	+ 1·6	4	0·04	1	- 12	Raunds	1·9	—	21	3	25	45·0	—	—	—
p Oxford	268	57	13th	29	12th	53·7	41·3	47·5	+ 2·1	3	0·06	2	- 13	Oxford	1·7	- 0·5	19	3	23	—	—	—	—
														Malvern	2·2	—	24	0	32	46·5	—	49·9	—
c, West: a Cheadle (N. Staffs.)	646	55	8, 9	33	12th	51·7	39·9	45·8	+ 2·2	3	0·25	6	- 12	Cheadle	—	—	—	0	33	—	—	—	—
p Tenbury	313	57	9th	29	12th	54·7	39·4	47·1	+ 2·4	2	0·13	3	- 11	Tenbury	—	—	—	2	27	46·2	—	—	—
a Hereford	291	57	9th	28	12th	54·4	37·3	45·9	+ 1 0	4	0·15	4	- 11	Ross-on-Wye	1·8	—	19	2	26	46·3	—	50·7	—
a Clifton	225	55	13th	34	7th	52·7	42·9	47·8	+ 1·3	2	0·10	3	- 17	Clifton	2·0	—	21	0	32	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	56	13th	25	12th	54·0	35·4	44·7	+ 1·0	2	0·07	2	- 18	Worthing	1·4	- 1·5	15	1	30	46·1	-1·7	51·2	-1·9
p Wilton Ho.*	180	57	8, 13	29	12th	55·3	38·4	46·9	+ 2·3	2	0·09	2	- 21	Marlborough	1·2	- 0·8	13	4	23	46·5	—	51·0	—
a Wisley, Surrey	150	57	8th	28	12th	54·3	38·7	46·5	+ 1·6	4	0·06	1	- 14	Wilton Ho.	—	—	—	2	26	46·4	—	—	—
a Tunbridge Wells	354	56	8th	30	12th	53·3	38·4	45·9	+ 0·5	2	0·16	4	- 18	Wisley	1·8	- 0·4	19	4	21	46·2	-0·1	49·9	-1·2
a Margate	51	57	8th	40	7th	54·6	43·1	48·9	+ 1·8	1	0·04	1	- 15	Tunbridge Wells	1·0	- 1·5	11	2	26	46·7	+1·3	50·5	—
a Dungeness	21	56	9th	34	7, 8	54·1	40·1	47·1	- 0·1	2	0·05	1	- 18	Margate	2·3	+ 0·1	25	0	32	48·1	+0·5	52·1	+0·4
p St. Leonards	178	57	8th	42	12th	54·9	44·1	49·5	+ 2·2	4	0·11	3	- 18	Folkestone	1·7	—	18	—	—	—	—	51·8	—
p Southampton	64	58	13th	32	7th	55·3	41·4	48·4	+ 1·5	2	0·08	2	- 19	St. Leonards	2·1	- 0·7	22	0	33	46·6	—	51·6	—
a Ventnor	59	57	7th	40	7th	56·7	45·2	50·8	+ 1·7	2	0·06	2	- 20	Southampton	1·3	- 1·1	14	2	26	—	—	—	—
														Ventnor	1·0	- 1·8	11	—	—	—	—	—	—
LONDON. a Richmond Kew Obs.)	18	56	10th	30	12th	52·9	37·0	45·0	- 0·5	2	0·04	1	- 14	Richmond	1·1	- 0·9	11	2	28	44·2	-2·0	49·5	-2·0
a Westminster	27	56	10, 13	32	12th	53·9	39·3	46·6	- 0·1	2	0·04	1	- 13	Westminster	0·2	- 1·0	3	3	28	—	—	—	—
ag Greenwich	149	57	10th	29	12th	54·4	38·4	46·4	+ 1·0	2	0·02	1	- 13	Greenwich	1·1	- 0·8	11	3	25	—	—	—	—
a Hampstead	450	55	10, 13	36	12th	51·7	42·6	47·2	—	1	0·12	3	—	Hampstead	0·8	—	8	2	26	—	—	—	—
ag Camden Square	110	56	10, 13	33	7th	53·7	40·0	46 9	+ 0·8	1	0·08	2	- 13	Camden Square	—	—	—	3	27	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	54	9th	42	11th	51·9	46·7	49·3	+ 5·2	5	1·15	29	+ 5	Aspatria	1·0	- 1·0	11	0	39	48·0	+3·1	48·8	-0·5
p Newton Rigg	559	56	8–10	40	11th	53·3	45 0	49·2	+ 6·6	4	1·21	31	+ 11	Newton Rigg	1·6	- 0·1	18	0	34	—	—	—	—
p Stonyhurst	375	54	8, 9	40	7, 12	52·6	44·7	48·7	+ 4·4	5	0·96	24	- 2	Stonyhurst	1·4	- 0·2	15	0	32	—	—	—	—
p Blackpool	66	58	9th	40	12th	54·4	47·4	50·9	+ 5·4	6	0·37	9	- 12	Blackpool	1·8	- 0·1	20	0	35	48·8	—	50·5	—
a Southport	37	57	8th	40	7, 12	54·3	45·7	50·0	+ 4·5	3	0·36	9	- 10	Southport	1·4	- 0·4	16	0	34	46·4	+2·3	48·2	-0·7
														Hoylake	2·1	+ 0·2	23	—	—	—	—	—	—
a Liverpool (Bidston)	188	58	9th	40	12th	54·6	45·3	50·0	+ 3·9	2	0·12	3	- 13	Liverpool	2·0	—	22	0	36	—	—	—	—
a Hawarden Bridge	22	58	9th	38	12th	55·9	46·0	51·0	+ 4·5	2	0·13	3	- 11	Manchester (City)	0·7	0·0	8	0	38	45 3	0·0	50·0	-1·5
p Manchester (Whit. Pk.)	125	58	9th	39	8th	54·0	43·4	48·7	+ 3·2	2	0·25	6	- 10	Whitworth Park	0·9	0·0	10	—	—	—	—	—	—
9. NORTH WALES.																							
p Llandudno	22	58	8th	43	12th	55·9	47·4	51·7	+ 4·0	4	0·13	3	- 16	Llandudno	1·7	- 0·4	19	—	—	—	—	—	—
a Holyhead	15	56	8, 9	47	11, 12	54·9	48·7	52·3	+ 4·2	3	0·40	10	- 14	Holyhead	1·1	—	13	0	44	—	—	—	—
a Aberdovey	60	56	8, 13	43	7th	54·4	48·4	51·4	—	5	0·75	19	—	Aberdovey	1·0	- 1·2	11	0	33	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
c. a. SOUTH WALES.																						
a Aberystwyth	16	56	8th	43	7, 12	54·1	47·7	50·9	—	6	0·63	16	—	Aberystwyth ..	0·6	— 1·9	7	—	—	—	—	—
a Rhayader	757	54	8th	32	7th	52·3	41·4	46·9	—	3	0·27	7	—	Rhayader ..	0·7	—	8	3	24	—	—	—
a St. Ann's Head ..	149	57	8th	43	7th	55·1	49·7	52·4	+ 3·5	3	0·28	7	- 19	St. Ann's Head ..	1·4	- 0·9	15	—	—	—	—	—
p Cardiff	202	56	13th	34	12th	53·9	44·7	49·3	+ 3·8	4	0·25	6	- 22	Cardiff	1·5	—	16	2	27	47·0	+ 0·8	51·2	- 0·2
b. ENGLAND, S.W.																						
a Bath	66	57	13th	28	12th	55·1	38·1	46·6	+ 0·9	2	0·08	2	- 17	Bath	1·9	- 0·3	21	—	—	47·9	- 0·4	52·4	- 1·0
a Shaftesbury	722	55	13th	38	7th	53·1	42·1	47·6	+ 2·5	1	0·02	0·4	- 22	Shaftesbury ..	—	—	—	—	—	47·1	—	50·8	—
a Arlington	613	55	13th	37	7, 12	52·3	42·3	47·3	+ 1·5	5	0·63	16	- 23										
a Newquay	190	58	9th	38	11th	55·8	43·2	49·5	+ 0·1	3	0·28	7	- 17	Newquay ..	3·3	+ 0·7	35	—	—	50·8	—	53·7	—
a Cullompton	202	58	13th	30	12th	56·0	37·3	46·7	+ 0·8	2	0·13	3	- 21	Cullompton ..	1·8	- 0·3	19	3	25	47·0	—	—	—
a Portland Bill	19	58	8th	40	7th	56·9	46·3	51·6	+ 2·1	2	0·05	1	- 18	Weymouth ..	2·0	—	21	—	—	—	—	—	—
p Plymouth	116	62	9th	39	7, 12	57·3	42·7	50·0	+ 1·6	1	0·10	3	- 21	Plymouth ..	2·8	+ 0·4	30	0	35	47·8	- 0·8	52·7	—
a Falmouth	167	57	9, 13	39	7, 11, 12	56·0	41·7	48·9	- 0·2	3	0·11	3	- 29	Falmouth ..	2·7	0·0	28	1	28	51·6	—	54·9	—
9. IRELAND, N.																						
a West .. a Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a Blacksod Point ..	10	58	8th	44	9th	55·4	48·6	52·0	+ 4·7	7	1·50	38	+ 5	Mallarany ..	0·6	—	6	0	39	—	—	—	—
a Mallarany	120	58	12th	45	13th	54·6	48·7	51·7	—	7	4·56	116	—	Markree Castle	0·8	- 1·1	9	1	29	50·5	+ 3·7	52·0	+ 0·7
p Markree Castle ..	122	58	8th	34	11th	55·1	44·3	49·7	+ 5·2	7	0·95	24	- 3										
b, East .. p Armagh	204	56	8, 9	38	11th	54·0	45·4	49·7	+ 5·2	5	0·50	13	- 5	Armagh	1·3	- 0·8	14	0	35	49·3	+ 3·1	50·8	+ 0·5
a Donaghadee	35	57	9th	40	11, 12	53·7	45·9	49·8	+ 3·7	4	0·29	7	- 12										
10. IRELAND, S.																						
p Dublin, City	54	59	8th	42	11th	55·6	47·9	51·8	+ 4·9	4	0·33	8	- 10	Trinity Coll. ..	1·3	—	14	1	30	50·3	+ 3·4	51·4	+ 0·9
a Birr Castle	175	56	8, 13	40	11th	54·0	45·0	49·5	+ 5·0	5	0·67	17	- 4	Phœnix Park ..	2·3	- 0·1	25	0	33	—	—	—	—
a Kilkenny	195	59	9th	35	11th	54·9	43·4	49 2	+ 4·1	4	0·57	15	- 6	Dublin City ..	—	—	—	0	36	—	—	—	—
a Waterford	137	56	8th	38	11th	54·1	45·3	49·7	+ 3·1	3	0·53	13	- 13	Birr Castle ..	1·2	- 0·9	14	0	33	—	—	—	—
p Seskin, Carrick-on-Suir	542	57	8th	39	11th	53·7	44·9	49·3	—	5	0·50	13	—	Seskin	0·6	—	7	1	29	—	—	—	—
a Cahir	199	57	7th	35	11th	53·9	43·1	48·5	+ 3·2	5	0·37	9	—										
a Foynes	50	58	8th	44	11, 12	54·3	47·0	50·7	+ 4·1	7	0·94	24	- 3										
a Cahirciveen (Val. Obs.)	30	56	8, 9, 12	44	11, 12	55·0	48·7	51·9	+ 3·1	7	0·91	23	- 15	Cahirciveen ..	0·4	- 1·8	4	0	41	—	—	—	—
a Killarney	174	58	12th	43	11, 12	55·3	48·0	51·7	+ 4·5	7	0·73	19	- 19	Ballinacurra ..	0·7	- 1·4	8	—	—	—	—	—	—
a Roche's Point	32	58	8th	40	11, 12	55·7	46·7	51·2	+ 2·8	5	0·45	12	- 17										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	58	9th	46	11th	55·9	50·4	53·2	+ 3·0	1	0·12	3	- 21	Scilly	3·2	+ 0·6	34	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	57	13th	34	10th	54·3	38·0	46·2	- 4·2	2	0·31	8	- 22	St. Heliers ..	3·5	+ 0·7	37	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	61	9th	40	7th	56·6	44·3	50·5	+ 0·1	3	0·54	14	- 17	Guernsey† ..	3·0	+ 0·5	32	1	28	50·2	- 0·6	54·3	- 0·6

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 13th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	10	5	10, 12	21	98	41	3	0	230	26	10	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	15	85	12	56	?	8	12	22	17	12	19	30
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	0	11	1	31	116	20	0	280	11	11	2	—	—	—	—
Edinburgh	485	39	31	—	0	9, 10, 12, 13	23	122	23	0	0	190	16	12	24	27	13	23	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	12, 13	2	9, 10, 12, 13	32	98	35	1	0	200	18	12	24	26	13	0	15
Paisley	188	81	15	—	0	12, 13	8	62	98	0	0	190	13	13	23	25	12	11	25
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	33	114	21	0	220	9	12	17	17	13	11	45
South Shields	72	61	12	—	0	—	0	30	101	37	0	280	10	11	2	17	12	23	20
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	13	4	12	141	11	0	220	11	13	9	16	13	4	15
Shoeburyness	103	90	‡	—	0	13	7	15	79	67	0	200	13	13	8	17	13	2	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	13	69	95	0	200	9	12	23	15	13	0	30
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	18	30	120	0	—	10	13	10	17	13	7	55
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	11	59	98	0	220	8	13	2	13	13	1	55
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	12, 13	2	95	71	0	0	260	12	13	12	—	—	—	—
Southport	80	62	48	—	0	10, 13	5	89	74	0	0	230	11	10	3	23	13	12	10
Holyhead	60	40	‡	—	0	12, 13	24	109	35	0	0	200	15	12	22	23	12	16	35
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	12, 13	20	14	72	62	0	210	16	12	24	21	13	0	55
Plymouth	185	88	2	—	0	12, 13	12	12	54	90	0	—	15	12	24	18	13	1	15
Lyme Regis	556	61	‡	—	0	—	0	12	14	142	0	—	9	13	5	16	13	4	45
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	83	69	16	0	180	11	12	19	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val Obs.)	98	41	‡	—	0	12, 13	12	108	40	6	0	210	13	13	23	22	12	21	45
Weaver Pt.	180	30	‡	—	0	12	12	49	98	9	0	—	14	12	23	24	13	0	15
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.
¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees
** For Deerness the week ends at midnight on Friday.]

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-FIFTH WEEK of 1920—November 7th to November 13th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest.	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	59	35	84·1	79·1	81·6	+ 2·3	39	+ 16	0	−13	6	+ 1	2·39	61	+ 28	0·8	−0·6	10	1008
Eastern.																			
1. SCOTLAND, EAST ...	59	31	84·6	79·6	82·1	+ 3·1	45	+ 22	0	−17	4	− 1	0·70	18	− 2	2·4	+0·4	28	1013
2. ENGLAND, N.E.	59	35	85·2	79·6	82·4	+ 2·3	48	+ 19	0	−10	2	− 2	0·16	4	− 10	2·2	+0·2	25	1020
3. ENGLAND, EAST ...	60	25	85·1	76·2	80·6	+ 0·2	44	+ 10	12	+ 2	2	− 2	0·05	1	− 12	2·4	−0·1	26	1025
4. MIDLAND COUNTIES ...	61	28	85·2	77·6	81·4	+ 1·5	43	+ 12	5	− 8	3	− 1	0·12	3	− 14	1·9	−0·1	20	1024
5. ENGLAND, S.E.	58	25	85·4	77·6	81·6	+ 0·7	45	+ 4	5	− 2	2	− 2	0·08	2	− 19	1·5	−0·9	16	1025
Western.																			
6. SCOTLAND, WEST ...	59	37	84·8	81·1	82·9	+ 2·8	55	+ 26	0	− 9	6	+ 1	1·47	37	+ 3	1·3	−0·3	15	1017
7. ENGLAND, N.W.	58	38	85·3	80·8	83·1	+ 2·5	57	+ 24	0	− 7	4	− 1	0·52	13	− 10	1·5	−0·2	16	1021
8. ENGLAND, S.W.	62	28	85·7	78·9	82·3	+ 0·9	47	+ 4	0	− 5	3	− 2	0·19	5	− 23	1·9	−0·3	20	1024
9. IRELAND, NORTH ...	58	34	85·4	80·7	83·1	+ 2·7	57	+ 25	0	− 9	6	+ 1	0·78	20	− 5	1·1	−1·0	12	1016
10. IRELAND, SOUTH ...	59	35	85·7	80·8	83·2	+ 2·0	59	+ 17	0	− 7	5	0	0·61	15	− 12	1·2	−1·1	13	1021
11. ENGLISH CHANNEL ...	61	34	86·1	79·8	83·0	− 0·5	56	− 7	0	0	2	− 3	0·32	8	− 20	3·3	+0·6	35	1026

THE SEASON (Autumn).—Aggregates, &c., for the Period of 11 Weeks, August 29th to November 13th, 1920.

0. SCOTLAND, NORTH ...	69	26	86·0	78·9	82·8	+ 0·6	619	+ 52	18	−33	40	−13	8·40	214	− 84	3·0	+0·2	26	1013
Eastern.																			
1. SCOTLAND, EAST ...	71	19	86·3	79·1	82·5	+ 0·2	625	+ 23	48	−18	36	− 9	4·89	124	− 64	3·1	−0·2	27	1015
2. ENGLAND, N.E.	74	28	87·5	80·3	83·8	+ 0·3	758	+ 35	21	− 9	29	−11	3·36	85	− 67	3·2	−0·4	28	1017
3. ENGLAND, EAST ..	75	25	88·4	80·2	84·1	− 0·1	845	+ 19	67	+36	28	−11	3·30	85	− 62	4·2	+0·1	36	1017
4. MIDLAND COUNTIES ...	75	24	87·7	79·7	83·6	0·0	751	− 1	52	+ 4	30	− 9	4·63	119	− 43	2·8	−0·7	25	1017
5. ENGLAND, S.E.	76	23	88·7	81·0	84·8	− 0·1	902	+ 1	28	+ 6	26	−13	4·83	124	− 63	3·8	−0·4	33	1017
Western.																			
6. SCOTLAND, WEST ...	71	27	87·0	80·8	83·8	+ 0·7	755	+ 82	16	−20	40	− 4	8·83	223	− 62	2·8	−0·5	24	1016
7. ENGLAND, N.W.	74	30	87·6	80·9	84·1	+ 0·3	807	+ 51	17	− 4	32	−12	5·30	136	− 85	3·9	+0·5	34	1015
8. ENGLAND, S.W.	75	24	88·2	81·4	84·7	+ 0·1	869	+ 13	14	− 2	30	−15	6·91	176	− 72	3·6	−0·3	32	1016
9. IRELAND, NORTH ...	70	30	87·7	81·5	84·5	+ 1·1	819	+110	0	−27	48	− 1	8·62	219	− 5	2·9	−0·3	25	1013
10. IRELAND, SOUTH ...	71	31	88·3	82·0	85·1	+ 0·9	907	+ 98	2	−20	45	0	9·21	234	+ 8	3·2	−0·5	28	1014
11. ENGLISH CHANNEL ...	75	34	89·1	84·1	86·5	+ 0·1	1097	+ 12	0	0	32	−14	7·31	186	− 33	4·4	−0·4	38	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 45 Weeks, January 4th to November 13th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·7	78·4	81·5	+ 0·4	2069	+ 39	405	−185	197	−12	47·10	1197	+139	3·8	+0·4	29	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·3	78·0	81·5	+ 0·2	2171	− 82	504	−179	179	+ 1	26·98	684	+ 16	4·0	0·0	31	1011
2. ENGLAND, N.E.	79	24	86·6	79·3	82·8	+ 0·6	2759	+163	301	−201	162	+ 2	22·28	568	+ 29	4·0	−0·4	31	1014
3. ENGLAND, EAST ...	84	20	87·7	79·6	83·5	+ 0·6	3149	+165	337	−188	145	−10	17·84	456	− 56	4·7	−0·1	36	1016
4. MIDLAND COUNTIES ...	82	20	87·5	79·3	83·1	+ 0·5	2903	+ 23	315	−255	169	+15	26·78	681	+107	3·6	−0·6	27	1015
5. ENGLAND, S.E.	81	17	87·8	80·3	83·9	+ 0·5	3295	+106	194	−207	146	− 5	22·37	572	− 7	4·4	−0·6	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·7	79·4	82·4	+ 0·3	2518	+ 34	285	−167	207	+22	44·04	1119	+135	3·5	−0·6	27	1012
7. ENGLAND, N.W.	81	22	86·3	80·1	83·1	+ 0·5	2817	+103	204	−199	185	+15	34·96	889	+141	3·7	−0·6	28	1014
8. ENGLAND, S.W.	78	17	86·9	80·5	83·6	+ 0·3	3040	+ 27	145	−172	177	+ 7	34·37	872	+ 62	4·0	−0·7	31	1015
9. IRELAND, NORTH ...	77	23	86·1	79·6	82·8	+ 0·3	2670	+ 84	241	−126	220	+17	34·70	882	+ 70	3·4	−0·5	26	1011
10. IRELAND, SOUTH ...	78	22	86·9	80·4	83·6	+ 0·3	3019	+ 37	147	−135	209	+28	37·87	961	+118	3·7	−0·6	29	1014
11. ENGLISH CHANNEL ...	75	29	87·6	82·6	85·0	+ 0·4	3675	+131	20	− 85	153	−22	25·18	638	− 36	5·1	−0·6	40	1017
	°F.	°F	a.	a	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
19th November 1920.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 46.

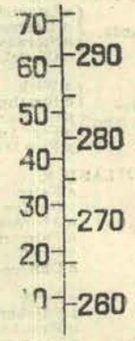
FORTYTH-SIX WEEK.

SUNDAY, NOVEMBER 14TH, TO SATURDAY, NOVEMBER 20TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The depression which was developing at the end of the preceding week played an important part in the weather of the British Isles during the first few days of the current week. The system moved eastwards across the Faroes, and the gales, which were experienced in nearly all parts of the United Kingdom were particularly severe in the north and west of Scotland. From Strathpeffer to Rothesay trees were uprooted by the wind which also caused exceptionally high tides in the Lochs of the west coast. Atlantic disturbances continued to affect the weather in the west and north for some days, but in the east and south the conditions again became anticyclonic and the weather cold and foggy. In most districts the warmest day of the week was either Sunday or Monday, when readings of 289a were recorded very generally. The lowest minima occurred, as a rule, on Wednesday or Thursday morning; the absolute lowest in the screen being 270a at Geldeston, near Beccles, and the lowest on the grass 266a at Rothamsted and Wisley. The mean for the week was above the normal in all districts, in Scotland and Ireland the divergence was about 3a. Rainfall varied greatly—in Scotland N. the total for the week, 66mm., was 36mm. more than normal, in Scotland E., Scotland W. and Ireland N. the total was rather more than the normal, but in all other districts there was a deficiency. On Sunday and Monday many places as far south as the Yorkshire Dales had more than 20mm., while on Thursday even larger amounts were measured at stations in the extreme north-west; at Blacksod Pt. 40mm. fell and at Stornoway 47mm. Bright sunshine was more than normal in the eastern section and less in the west. Aurora was witnessed at Aberdeen on the 15th; solar and lunar halos were observed on several days in different parts of the country.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	21	9·0	26	8·0	27	4·9	23	3·8	27	7·8	21	8·0	28	7·9	27	8·2
North	4	2·3	0	—	0	—	0	—	0	—	5	3·0	0	—	0	—
West	21	7·0	16	6·4	15	5·3	12	2·6	16	7·9	13	9·3	15	8·7	14	8·1
East	7	5·1	3	2·2	12	2·6	10	1·6	7	2·4	14	4·0	8	1·9	12	2·8
Calm	0	—	1	—	1	—	5	—	0	—	1	—	0	—	1	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet. *See below*, Note (1).		Districts of the British Isles												
		Extreme N.	Eastern Section.					Western Section.					Extreme S.	
		0. Scotland N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Very unusual	Unusual	Unusual
	Rainfall ...	Very heavy	Heavy	Light	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Light
	Sunshine ...	Scanty	Abundant	Abundant	Abundant	Moderate	Abundant	Scanty	Abundant	Moderate	Very scanty	Scanty	Abundant

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

AUTUMN. 12 weeks from August 29th, 1920.	Warmth ...	5, 5, 2	4, 5, 3	5, 5, 2	4, 5, 3	5, 4, 3	4, 5, 3	5, 6, 1	5, 5, 2	3, 6, 3	8, 2, 2	7, 4, 1	4, 5, 3
	Rainfall ...	3, 2, 7	3, 3, 6	3, 1, 8	2, 2, 8	2, 4, 6	2, 5, 5	2, 4, 6	1, 5, 6	3, 3, 6	3, 6, 3	4, 4, 4	3, 5, 4
	Sunshine ...	5, 3, 4	4, 4, 4	2, 5, 5	3, 5, 4	1, 5, 6	2, 5, 5	1, 4, 7	5, 6, 1	2, 6, 4	3, 2, 7	2, 2, 8	3, 5, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(30987—19) Wt. 24—561/P25 500 11/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.			
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.
0. SCOTLAND, N.	Ft.	°F.		°F		°F	°	°	°F.		in.	mm.	mm.
a, Islands.. a Lerwick	54	56	20th	38	14th	49·9	42·0	46·0	+ 3·7	5	1·89	48	+ 25
p Deerness, Orkney	165	53	20th	37	14th	49·6	41·9	45·8	+ 3·3	6	2·51	64	+ 43
a Stornoway	51	57	18th	36	14th	50·4	39·4	44·9	+ 2·4	7	4·65	118	+ 87
a Castlebay, Barra I.	37	—	—	—	—	—	—	—	—	—	—	—	—
b, Mainland. a Wick	81	54	18–20	35	17th	50·0	39·0	44·5	+ 2·8	6	1·59	40	+ 23
a Strathpeffer	125	58	18, 20	33	18th	51·6	38·7	45·2	+ 4·0	5	1·98	50	+ 34
p Glencarron	508	60	19th	35	17th	52·9	39·6	46·3	+ 5·6	6	2·19	56	+ 6
a Fort Augustus	61	59	18th	33	17th	51·9	39·4	45·7	+ 4·2	6	2·59	66	+ 42
p Fort William	171	58	19th	38	17th	52·3	41·7	47·0	+ 4·6	6	3·24	82	+ 40
1. SCOTLAND, E. a Nairn	82	57	20th	34	18th	51·1	38·7	44·9	+ 4·4	5	0·80	20	+ 6
p Gordon Castle	101	58	19th	37	17th	51·6	39·3	45·5	+ 4·0	3	0·60	15	− 1
a Aberdeen	46	58	14th	35	18th	51·6	41·6	46·6	+ 5·2	1	0·34	9	− 8
a Balmoral	930	55	20th	29	18th	48·6	38·3	42·5	+ 4·8	6	0·52	13	− 8
p Crieff	432	56	15th	33	17th	50·0	39·0	44·5	+ 3·8	6	2·16	55	+ 30
a Dundee	214	55	19, 20	32	18th	50·3	39·7	45·0	+ 4·4	4	0·69	18	+ 4
a Leith	30	60	14th	37	17th	52·4	42·6	47·5	+ 4·9	4	0·79	20	+ 9
p Edinburgh	441	59	15th	36	17th	52·0	40·6	46·3	+ 4·8	3	0·87	22	+ 10
a West Linton	769	56	14th	33	17th	50·0	38·3	44·2	+ 7·0	4	1·48	38	—
p Marchmont	498	55	14th	34	17th	50·4	37·7	44·1	+ 3·9	2	0·59	15	− 2
6. a. SCOTLAND, W. a Ford (Argyll)	149	55	14th	36	17th	50·5	45·5	48·0	—	6	2·32	59	—
p Glasgow Observatory	180	56	15, 19	36	15th	51·9	43·1	47·5	+ 5·7	5	1·49	38	+ 20
a Renfrew	49	58	14th	38	17, 18	52·1	42·9	47·5	—	6	1·79	45	—
p Rothesay	200	59	15th	38	17th	51·6	42·6	47·1	+ 4·3	7	2·09	53	+ 28
a Kilmarnock	90	58	14th	39	17th	53·1	44·0	48·6	+ 7·8	3	1·22	31	+ 12
a Colmonell	170	59	14th	36	18th	53·4	43·6	48·5	+ 6·0	4	0·45	11	− 13
p Dumfries	160	58	15th	38	17th	51·7	43·0	47·4	+ 5·9	1	0·65	17	0
a Eskdalemuir	794	—	—	—	—	—	—	—	—	—	—	—	—
b. I.OF MAN p Douglas	284	56	14, 15	40	17th	52·9	45·3	49·1	+ 4·9	3	0·58	15	− 8
2. ENGLAND, N.E. a Alnwick Castle	210	59	14th	35	18th	49·6	38·7	44·2	+ 2·2	1	0·26	7	− 12
a Tynemouth	118	59	14th	39	17th	49·6	42·1	45·9	+ 3·1	3	0·35	9	− 4
a Durham	338	58	15th	35	18th	49·7	39·4	44·6	+ 3·1	3	0·15	4	− 10
a North p Rounton	240	58	15th	35	17th	49·7	39·6	44·7	+ 3·3	3	0·23	6	− 8
a West Witton	605	57	14th	35	18, 20	49·4	39·0	44·2	—	3	1·62	41	—
p Scarborough	118	61	15th	38	17, 20	51·7	40·0	45·9	+ 2·3	1	0·06	2	− 13
p York	56	56	15th	35	18th	50·4	40·6	45·5	+ 3·0	4	0·33	8	− 5
b. South a Spurn Head	20	58	15th	37	17th	49·7	39·6	44·7	+ 0·7	2	0·12	3	− 9
a Lincoln	58	60	14th	32	18th	50·7	39·9	45·3	+ 3·1	1	0·11	3	− 9
a Fulbeck	180	58	14th	33	18th	50·4	39·4	44·9	+ 2·6	4	0·23	6	− 6
3. ENGLAND, E. p Cromer	190	59	14th	33	18th	53·1	37·7	45·4	+ 1·5	3	0·15	4	− 10
a Little Massingham	277	58	14, 15	33	17, 18	50·3	36·4	43·4	+ 1·2	4	0·27	7	− 10
a Yarmouth	13	59	14, 15	36	17th	52·3	40·4	46·4	+ 2·7	2	0·47	12	− 3
a Norwich	82	59	14, 15	30	18th	51·7	39·0	45·4	+ 2·7	3	0·41	10	− 7
a Geldeston	37	60	14, 15	26	18th	54·3	37·6	46·0	+ 2·6	2	0·31	8	− 7
p Cambridge	41	60	15th	29	18, 19	52·4	34·3	43·4	+ 0·7	3	0·21	5	− 7
a Clacton-on-Sea	54	57	15th	38	17, 18	51·7	42·4	47·1	+ 3·4	2	0·13	3	− 9
a Rothamsted	420	57	15th	30	18th	49·4	36·7	43·1	+ 0·8	7	0·48	12	− 5
p Tottenham	51	59	15th	33	18th	52·4	40·1	46·3	—	2	0·24	6	—
4. MIDLAND COUNTIES. a Barrogate	479	58	14th	34	18th	47·9	38·9	43·4	+ 2·1	4	0·70	18	+ 4
a North p Sheffield	429	60	15th	37	17, 18	51·6	40·6	46·1	—	2	0·33	8	—
p Buxton	987	56	14th	35	18th	48·3	39·9	44·1	+ 4·3	2	0·53	14	− 2
a Worksop	56	60	14th	32	18th	52·9	39·4	46·2	+ 4·0	1	0·10	3	− 17
a Nottingham	82	60	14, 15	32	17th	52·4	38·9	45·7	+ 3·5	2	0·20	5	− 4
b. East p Birmingham, Edgbsn.	12	58	15th	36	17th	51·9	39·9	45·9	+ 3·5	2	0·15	4	− 8
a Raunds	208	59	14th	31	18th	51·1	37·6	44·4	+ 2·9	4	0·24	6	− 4
p Oxford	208	58	15th	35	17th	52·7	40·6	46·7	+ 3·8	4	0·39	10	− 1
a Cheadle (N. Staffs.)	640	57	14th	32	17th	49·6	39·4	44·5	+ 3·3	2	0·20	5	− 10
c. West p Tenbury	318	60	15th	34	17th	53·3	40·4	46·9	+ 4·5	3	0·42	11	0
a Hereford	291	58	14th	34	17th	53·0	41·0	47·0	+ 4·5	5	0·34	9	− 3
a Clifton	225	58	14, 15	36	17th	53·0	43·7	48·4	+ 4·3	3	1·21	31	+ 15
5. ENGLAND, S.E. a Marlborough	429	58	14th	29	17th	52·6	37·7	45·2	+ 3·2	4	0·63	16	0
p Wilton Ho.*	180	58	14, 15	30	17th	54·9	37·9	46·4	+ 3·5	5	0·74	19	+ 1
a Wisley, Surrey	150	58	14, 15, 19	33	18th	53·4	39·6	46·5	+ 3·3	2	0·26	7	− 4
a Tunbridge Wells	364	57	14, 15	34	17, 18	52·9	40·6	46·8	+ 3·9	3	0·43	11	− 7
a Margate	51	59	15, 16	37	20th	53·0	42·9	48·0	+ 2·7	2	0·09	2	− 10
a Dungeness	21	58	14, 15	35	18th	52·7	43·6	48·2	+ 2·7	2	0·28	7	− 7
p St. Leonards	178	57	15th	39	17th	53·0	44·1	48·6	+ 3·0	2	0·51	13	− 3
p Southampton	64	58	19th	33	17th	55·0	40·7	47·9	+ 2·7	2	0·83	21	+ 5
a Ventnor	50	58	14, 19	42	17th	55·0	48·1	51·6	+ 4·2	4	0·56	14	− 3
LONDON. a Richmond Kew Obs.)	18	58	14, 15	33	18th	52·2	39·1	45·7	+ 1·9	2	0·37	9	− 2
a Westminster	27	60	14, 15	35	17th	53·8	41·4	47·6	+ 2·6	2	0·24	6	− 5
ag Greenwich	148	59	14, 15	31	18th	52·7	40·7	46·7	+ 2·2	2	0·21	5	− 8
a Hampstead	450	57	15th	35	17th	52·1	40·0	46·1	—	2	0·27	7	—
ag Camden Square	110	59	14, 15	31	18th	52·1	39·3	45·7	+ 1·4	3	0·33	8	− 4
7. a, ENGLAND, N.W. p Aspatria (Mealsgate)	487	56	15, 20	38	17th	52·0	42·1	47·1	+ 5·4	3	0·80	20	− 1
p Newton Rigg	550	55	14, 15	36	17, 20	51·3	39·4	45·4	+ 5·4	5	1·34	34	+ 18
p Stonyhurst	370	57	14th	40	17, 18	50·1	43·1	46·6	+ 4·7	4	1·13	29	+ 6
a Blackpool	60	55	15th	39	16th	51·4	43·6	47·5	+ 4·3	4	0·56	14	− 3
a Southport	37	58	14th	40	18th	52·1	44·4	48·3	+ 5·3	4	0·62	16	0
a Liverpool(Bidston)	180	59	14th	40	18th	52·0	44·4	48·2	+ 4·5	1	0·12	3	− 10
a Hawarden Bridge	22	60	14th	38	17th	53·7	43·6	48·7	+ 4·6	1	0·10	3	− 8
p Manchester (Whit. Pk.)	120	54	14, 15	39	17th	52·1	42·7	47·4	+ 4·5	2	0·42	11	− 2
c. NORTH WALES. p Llandudno	22	60	14, 15	41	17, 18, 20	56·4	44·9	50·7	+ 5·3	3	0·46	12	− 3
a Holyhead	1·	57	14th	44	16, 17	53·9	47·6	50·8	+ 4·9	2	0·35	9	− 12
a Aberdovey	60	58	20th	43	20th	55·1	48·0	51·6	—	2	0·57	14	—

STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	hr.	hr.	%		°F.	°F.			°F
Deerness	0·3	− 0·9	4	—	—	—	—	—	—
Stornoway	1·0	− 0·4	12	—	—	—	—	—	—
Castlebay	—	—	—	—	—	—	—	—	—
Nairn	1·3	—	17	—	—	—	—	—	—
Gordon Castle	1·6	—	20	—	—	—	—	—	—
Aberdeen	2·1	+ 0·3	26	2	24	—	—	47·7	+1·5
Balmoral	—	—	—	2	26	—	—	—	—
Crathes	1·9	0·0	23	2	23	43·4	+1·8	46·7	+0·7
Dundee	2·5	—	30	2	22	43·9	—	—	—
Leith	—	—	—	0	31	—	—	—	—
Edinburgh	2·1	+ 0·1	26	0	31	—	—	—	—
West Linton	0·9	—	10	1	30	—	—	—	—
Marchmont	2·6	+ 0·9	31	—	—	—	—	—	—
Ford (Argyll)	—	—	—	0	31	46·6	—	49·5	—
Glasgow	0·4	− 0·6	5	0	31	—	—	—	—
Renfrew	0·6	—	8	0	31	—	—	—	—
Rothesay	0·5	—	6	0	31	45·6	—	48·7	−0·1
Kilmarnock	1·0	—	12	—	—	46·3	—	49·1	—
Colmonell	—	—	—	0	37	—	—	—	—
Dumfries	1·4	—	17	1	30	46·0	+4·5	48·6	+1·6
Eskdalemuir	—	—	—	?	?	—	—	—	—
Douglas	1·0	− 1·2	12	0	35	—	—	—	—
Cockle Park	2·6	+ 0·5	31	2	29	42·7	+2·8	46·7	+1·5
Durham	2·7	+ 0·8	32	3	27	—	—	—	—
Rounton	—	—	—	3	25	45·0	—	—	—
West Witton	—	—	—	3	28	43·6	—	47·3	—
Scarborough†	2·8	+ 1·0	32	—	—	—	—	48·7	—
York	1·1	− 0·4	13	—	—	46·6	+1·8	49·6	+0·4
Spurn Head	—	—	—	—	—	—	—	—	—
Lincoln	—	—	—	2	29	45·1	+2·6	49·0	0·0
Fulbeck	2·7	+ 0·7	31	2	27	—	—	—	—
Skegness	2·0	− 0·3	23	—	—	—	—	—	—
Cromer	3·7	+ 1·6	43	—	—	—	—	—	—
Lit. Massingham	3·0	+ 1·1	35	—	—	—	—	—	—
Yarmouth	3·6	—	40	1	29	47·0	+3·4	50·0	+0·2
Norwich	3·7	—	42	4	23	41·6	—	—	—
Geldeston	4·1	+ 1·9	46	—	—	—	—	—	—
Cambridge	2·5	+ 0·4	29	3	22	45·0	+1·0	49·6	−0·4
Clacton	3·9	+ 1·5	45	0	31	47·1	+0·4	51·0	−0·1
Rothamsted	2·4	+ 0·2	27	4	20	44·6	—	—	—
Tottenham	1·4	—	16	0	34	—	—	50·8	−0·5
S'thend-on-Sea	3·2	—	38	0	31	48·1	+2·5	—	—
Harrogate	1·8	− 0·2	21	2	29	45·5	+2·1	47·9	+1·6
Sheffield	2·3	+ 0·5	26	1	30	44·3	+0·7	48·0	−0·7
Buxton	1·7	—	20	1	30	43·0	+2·1	47·7	+0·1
Worksop	1·9	+ 0·2	22	3	24	44·8	—	48·0	—
Nottingham	1·0	− 0·5	12	2	25	43·5	+1·7	47·5	−0·2
Birmingham	2·0	+ 0·6	23	1	30	45·4	+1·6	49·0	+0·8
Raunds	2·5	—	28	1	26	44·8	—	—	—
Oxford	2·9	+ 0·8	33	2	26	—	—	—	—
Malvern	2·8	—	32	1	30	45·9	—	49·5	—
Cheadle	—	—	—	1	25	—	—	—	—
Tenbury	—	—	—	2	27	45·8	—	—	—
Ross-on-Wye	2·2	—	—	2	29	46·3	—	50·2	—
Clifton	2·2	—	25	1	29	—	—	—	—
Worthing	4·1	+ 1·3	46	1	28	47·6	+2·4	51·0	−0·6
Marlborough	2·4	+ 0·5	27	3	25	46·7	—	50·5	—
Wilton Ho.	—	—	—	2	25	45·9	—	—	—
Wisley	3·1	+ 1·0	34	5	20	45·8	+1·6	49·7	0·0
Tunbridge Wells	3·1	+ 0·6	35	2	24	46·9	+3·7	50·2	—
Margate	3·7	+ 1·6	42	1	28	47·8	+1·9	51·7	+1·6
Folkestone	4·1	—	46	—	—	—	—	50·5	—
St. Leonards	4·0	+ 1·3	45	0	31	47·6	—	50·9	—
Southampton	3·6	+ 1·3	41	2	23	—	—	—	—
Ventnor	3·6	+ 0·8	40	—	—	—	—	—	—
Richmond	2·7	+ 0·9	31	4	24	44·8	+0·8	49·3	−0·9
Westminster	2·0	+ 0·9	23	2	29	—	—	—	—
Greenwich	2·9	+ 1·3	33	2	24	—	—	—	—
Hampstead	2·4	—	27	3	26	—	—	—	—
Camden Square	—	—	—	3	27	—	—	—	—
Aspatria	0·9	− 1·3	11	0	35	46·2	+3·1	48·7	+0·3
Newton Rigg	1·7	− 0·2	20	—	—	—	—	—	—
Stonyhurst	1·2	− 0·6	14	0	32	—	—	—	—
Blackpool	1·1	− 0·9	13	0	35	48·0	—	50·1	—
Southport	2·2	+ 0·2	25	0	36	45·3	+3·5	48·4	−1·0
Hoylake	3·4	+ 1·2	39	—	—	—	—	—	—
Liverpool	3·6	—	42	0	35	—	—	—	—
Manchester(City)	0·9	+ 0·3	11	0	36	45·2	+2·3	49·7	−0·3
Whitworth Park	1·7	+ 1·0	20	—	—	—	—	—	—
Llandudno	2·4	+ 0·1	28	—	—	—	—	—	—
Holyhead	1·3	—	15	0	41	—	—	—	—
Aberdovey	2·6	+ 0·1	29	0	34	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
8. a, SOUTH WALES.																						
a Aberystwyth	16	58	20th	43	18, 20	54·6	46·3	50·5	—	3	0·38	10	—	Aberystwyth ..	2·5	0·0	28	—	—	—	—	—
a Rhayader	757	57	14th	34	17th	51·6	40·4	46·0	—	4	0·78	20	—	Rhayader ..	2·4	—	27	3	25	—	—	—
a St. Ann's Head ..	149	57	14th	47	16, 17	54·6	50·3	52·5	+ 5·5	3	0·52	13	- 7	St. Ann's Head	2·3	- 0·2	26	—	—	—	—	—
p Cardiff	202	58	15th	37	17th	53·4	43·1	48·3	+ 5·1	3	1·21	31	+ 10	Cardiff	1·4	—	15	1	29	46·8	+ 2·8	50·7	+ 0·6
b, ENGLAND, S.W.																						
a Bath	66	59	14, 19	31	17th	54·7	41·6	48·2	+ 4·8	3	0·82	21	+ 7	Bath	2·5	+ 0·1	28	—	—	48·0	+ 1·6	51·7	- 0·1
a Shaftesbury	722	56	15th	37	17th	52·0	42·6	47·3	+ 4·5	2	0·35	9	- 8	Shaftesbury ..	—	—	—	—	—	47·1	—	50·4	—
a Arlington	613	56	14th	33	17th	52·6	43·0	47·8	+ 4·1	3	1·01	26	- 3										
a Newquay	190	57	14th	39	17th	54·4	46·2	50·3	+ 2·8	3	0·43	11	- 8	Newquay ..	2·6	- 0·2	29	—	—	51·2	—	53·2	—
a Cullompton	202	59	14th	30	17th	54·6	41·0	47·8	+ 4·0	4	0·46	12	- 5	Cullompton ..	1·6	- 0·6	18	3	26	47·7	—	—	—
a Portland Bill	19	63	15th	45	17, 18	56·6	49·0	52·8	+ 5·3	2	0·28	7	- 16	Weymouth ..	3·4	—	38	—	—	—	—	—	—
p Plymouth	116	57	14, 15	34	17th	54·6	46·3	50·5	+ 4·0	3	0·32	8	- 11	Plymouth ..	1·5	- 1·1	17	0	31	49·5	+ 2·8	52·4	—
a Falmouth	167	57	14, 15	39	17, 18	55·0	45·4	50·2	+ 2·9	4	0·67	17	- 8	Falmouth ..	2·2	- 0·7	24	0	32	51·4	—	54·0	—
9. IRELAND, N.																						
a West .. a Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a West .. a Blacksod Point ..	10	59	14th	43	16th	55·4	46·4	50·9	+ 5·4	6	2·80	71	+ 42	Mallarany ..	—	—	—	—	—	—	—	—	—
a West .. a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	0·5	- 1·6	6	1	29	48·7	+ 3·4	51·4	+ 1·2
a West .. p Markree Castle ..	122	59	15, 18	33	17th	54·6	41·9	48·3	+ 4·8	6	1·97	50	+ 26										
b, East .. p Armagh	204	59	15th	35	17th	54·3	43·3	48·8	+ 6·2	4	0·43	11	- 5	Armagh	0·6	- 1·8	7	0	33	47·6	+ 3·3	50·1	+ 1·0
b, East .. a Donaghadee	35	60	14th	38	17, 18	54·0	44·7	49·4	+ 5·2	3	0·39	10	- 7										
10. IRELAND, S.																						
p Dublin, City	54	60	14, 15	39	17th	55·9	46·1	51·0	+ 6·0	4	0·18	5	- 11	Trinity Coll. ..	1·3	—	15	0	31	49·0	+ 3·8	51·0	+ 1·8
a Birr Castle	175	58	14, 18	33	17th	53·7	43·4	48·6	+ 6·0	5	0·76	19	+ 1	Phœnix Park ..	2·0	- 0·7	23	1	28	—	—	—	—
a Kilkenny	195	60	14th	29	17th	54·3	42·0	48·2	+ 5·1	5	0·49	12	- 6	Dublin City ..	—	—	—	0	33	—	—	—	—
a Waterford	137	56	14, 19	35	17th	54·0	44·1	49·1	+ 4·5	1	0·20	5	- 17	Birr Castle ..	0·8	- 1·6	10	1	28	—	—	—	—
p Seskin, Carrick-on-Suir	542	59	15th	35	17th	53·6	43·6	48·6	—	5	0·63	16	—	Seskin	2·0	—	23	1	24	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—										
a Foynes	50	65	18th	39	17th	56·3	44·0	50·2	+ 5·5	7	1·15	29	+ 6										
a Cahirciveen (Val. Obs.)	30	59	14, 20	38	17th	56·0	44·3	50·2	+ 3·2	6	1·22	31	- 1	Cahirciveen ..	1·6	- 0·8	19	0	35	—	—	—	—
a Killarney	174	62	15th	39	17th	58·0	45·6	51·8	+ 6·5	6	1·35	34	+ 1	Ballinacurra ..	1·7	- 0·6	19	—	—	—	—	—	—
a Roche's Point	32	58	14, 15	35	17, 18	55·0	45·1	50·1	+ 3·6	7	0·50	13	- 12										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	57	14, 15, 18	45	17, 18	55·4	49·9	52·7	+ 3·3	3	0·35	9	- 9	Scilly	2·4	- 0·4	27	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	60	15th	42	17th	55·4	47·3	51·4	+ 3·1	2	0·09	2	- 20	St. Heliers ..	4·6	+ 1·8	52	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	59	17th	42	17th	55·6	48·1	51·9	+ 3·6	4	0·32	8	- 16	Guernsey† ..	3·5	+ 1·0	39	0	35	51·1	+ 2·1	53·7	+ 0·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 20th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation.	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	14, 15, 18, 19	24	13 to 19	51	65	28	0	0	220	25	15	13	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	15	6	63	74	18	7	200	11	15	9	29	15	13	45
Aberdeen (Cup Anr.)¶ ..	20	72	12	—	0	15	9	80	74	5	0	220	15	15	12	—	—	—	—
Edinburgh	486	39	31	15, 18	7	14 to 16, 18 to 20	55	62	40	4	0	170	20	18	11	33	15	8	50
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	15	14	14 to 16, 19	24	74	42	14	0	230	21	15	11	30	15	12	0
Paisley	188	81	15	—	0	14, 15, 18 to 20	39	73	53	3	0	240	14	15	12	31	15	12	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	15	12	62	73	21	0	230	13	15	10	24	15	10	15
South Shields	72	61	12		0	15, 16	20	65	74	9	0	270	14	15	10	27	15	2	10
Spurn Head	66	40	‡		Instrument dismounted.			—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	14, 15, 18, 19	22	85	55	6	0	210	14	14	22	21	15	9	35
Shoeburyness	103	90	‡	—	0	14, 15	21	54	45	13	35	200	17	14	22	20	15	11	10
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	14, 15	12	47	88	21	0	230	12	15	3	20	15	8	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	14, 15	15	53	81	19	0	—	13	14	22	22	14	20	15
S. Farnboro' (Pyestk Tr)	443	452	‡		Instrument out of adjustment.			—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	32	65	22	—	0	14, 15	5	37	89	37	0	230	12	15	9	21	15	2	40
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	15, 16	5	14 to 18	60	81	21	1	0	250	19	15	17	—	—	—	—
Southport	80	62	48	15, 16	24	14 to 17, 19	37	87	29	0	0	230	21	15	4	31	15	11	50
Holyhead	60	40	‡	15	2	14 to 19	87	67	12	0	0	250	18	15	19	26	15	3	20
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	14, 15	16	14, 15, 17 to 20	43	88	17	4	0	230	20	15	7	27	15	5	40
Plymouth	185	88	2	14, 15	2	14, 15, 17, 18	41	61	49	6	15	—	18	14	19	25	15	8	0
Lyme Regis	556	61	‡	—	0	14, 15	3	49	50	66	0	—	12	14	19	17	15	9	35
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	14 to 16	12	14 to 19	67	67	22	0	0	230	21	15	2	—	—	—	—
Quilty	100	40	‡‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.)	98	41	‡‡	—	0	14 to 20	92	55	12	9	0	220	16	14	17	27	17	22	35
Weaver Pt.	160	30	‡	—	0	14, 15, 17 to 19	54	86	20	8	0	—	16	17	23	26	14	22	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	14 to 17	15	120	28	5	0	240	12	15	6	21	16	5	40

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SIXTH WEEK of 1920—November 14th to November 20th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	60	33	83·7	77·4	80·6	+ 2·3	34	+ 17	6	−14	6	+ 1	2·59	66	+ 36	0·6	−0·6	8	1001
Eastern.																			
1. SCOTLAND, EAST ..	60	29	83·2	77·1	80·2	+ 2·5	32	+ 16	7	−19	4	0	0·91	23	+ 5	2·1	+0·4	26	1006
2. ENGLAND, N.E.	61	32	83·1	77·4	80·3	+ 1·4	31	+ 10	6	−10	2	− 2	0·20	5	− 9	2·3	+0·4	27	1015
3. ENGLAND, EAST ...	60	26	84·1	76·5	80·3	+ 1·1	38	+ 13	10	− 7	3	− 1	0·30	8	− 7	3·1	+0·9	35	1021
4. MIDLAND COUNTIES ...	60	31	84·0	77·4	80·7	+ 2·1	36	+ 15	6	−15	3	− 1	0·40	10	− 4	2·0	+0·1	23	1020
5. ENGLAND, S.E.	59	29	84·9	78·2	81·6	+ 1·7	41	+ 10	2	−10	3	− 1	0·42	11	− 6	3·5	+1·1	39	1022
Western.																			
6. SCOTLAND, WEST ..	59	36	84·2	79·6	81·9	+ 3·1	42	+ 20	0	−16	4	0	1·26	32	+ 5	0·7	−1·0	9	1010
7. ENGLAND, N.W.	60	36	84·4	79·4	81·9	+ 2·6	43	+ 19	0	−13	3	− 1	0·59	15	− 5	2·0	+0·1	23	1015
8. ENGLAND, S.W.	63	30	85·2	79·8	82·5	+ 2·2	50	+ 17	0	−10	3	− 1	0·64	16	− 6	2·2	−0·2	25	1019
9. IRELAND, NORTH ...	60	33	85·4	79·6	82·5	+ 3·2	50	+ 26	0	−14	5	0	1·27	32	+ 10	0·6	−1·8	6	1008
10. IRELAND, SOUTH ...	62	29	86·0	79·8	82·9	+ 2·8	55	+ 23	0	−11	5	+ 1	0·73	19	− 4	1·6	−1·0	18	1012
11. ENGLISH CHANNEL ...	60	42	86·1	82·1	84·1	+ 1·7	70	+ 20	0	− 1	3	− 2	0·25	6	− 16	3·5	+0·8	39	1021

THE SEASON (Autumn).—Aggregates, &c., for the Period of 12 Weeks, August 29th to November 20th, 1920.

0. SCOTLAND, NORTH ...	69	26	85·8	78·8	82·7	+ 0·8	653	+ 69	24	−47	46	−12	10·89	278	− 50	2·8	+0·1	25	1012
Eastern.																			
1. SCOTLAND, EAST ...	71	19	86·0	78·9	82·4	+ 0·5	657	+ 39	55	−37	40	− 9	5·80	147	− 59	3·0	−0·1	27	1014
2. ENGLAND, N.E.	74	28	87·1	80·1	83·5	+ 0·3	789	+ 45	27	−19	31	−13	3·56	90	− 76	3·2	−0·3	28	1017
3. ENGLAND, EAST ..	75	25	88·0	79·9	83·8	0·0	883	+ 32	77	+29	31	−12	3·60	93	− 69	4·1	+0·2	36	1017
4. MIDLAND COUNTIES ...	75	24	87·4	79·5	83·3	+ 0·1	787	+ 14	58	−11	33	−10	5·03	129	− 47	2·7	−0·7	24	1017
5. ENGLAND, S.E.	76	23	88·4	80·8	84·5	− 0·1	943	+ 11	30	− 4	29	−14	5·25	135	− 69	3·8	−0·3	34	1017
Western.																			
6. SCOTLAND, WEST ...	71	27	86·8	80·7	83·7	+ 1·0	797	+102	16	−36	44	− 4	10·09	255	− 57	2·6	−0·5	23	1015
7. ENGLAND, N.W.	74	30	87·3	80·8	83·9	+ 0·4	850	+ 70	17	−17	35	−13	5·89	151	− 90	3·7	+0·4	33	1015
8. ENGLAND, S.W.	75	24	87·9	81·3	84·5	+ 0·3	919	+ 30	14	−12	33	−16	7·55	192	− 78	3·5	−0·3	31	1016
9. IRELAND, NORTH ...	70	30	87·5	81·3	84·3	+ 1·2	869	+136	0	−41	53	− 1	9·89	251	+ 5	2·7	−0·4	24	1012
10. IRELAND, SOUTH ...	71	29	88·2	81·8	84·9	+ 1·1	962	+121	2	−31	50	+ 1	9·94	253	+ 4	3·1	−0·5	28	1014
11. ENGLISH CHANNEL ...	75	34	88·8	83·9	86·3	+ 0·3	1167	+ 32	0	−1	35	−16	7·56	192	− 49	4·3	−0·3	38	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 46 Weeks, January 4th to November 20th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·7	78·4	81·4	+ 0·4	2103	+ 56	411	−199	203	−11	49·59	1261	+173	3·7	+0·3	28	1009
Eastern.																			
1. SCOTLAND, EAST ...	81	19	85·3	77·9	81·5	+ 0·3	2203	− 66	511	−198	183	+ 1	27·89	707	+ 21	4·0	0·0	31	1011
2. ENGLAND, N.E.	79	24	86·5	79·3	82·8	+ 0·6	2790	+173	307	−211	164	0	22·48	573	+ 20	3·9	−0·4	30	1014
3. ENGLAND, EAST ...	84	20	87·6	79·5	83·4	+ 0·6	3187	+178	347	−195	148	−11	18·14	464	− 63	4·6	−0·1	36	1016
4. MIDLAND COUNTIES ...	82	20	87·4	79·2	83·0	+ 0·5	2939	+ 38	321	−270	172	+14	27·18	691	+103	3·5	−0·7	27	1015
5. ENGLAND, S.E.	81	17	87·8	80·3	83·9	+ 0·5	3336	+116	196	−217	149	− 6	22·79	583	− 13	4·4	−0·5	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	22	85·7	79·4	82·4	+ 0·4	2560	+ 54	285	−183	211	+22	45·30	1151	+140	3·4	−0·7	27	1012
7. ENGLAND, N.W.	81	22	86·3	80·1	83·1	+ 0·6	2860	+122	204	−212	188	+14	35·55	904	+136	3·7	−0·5	28	1014
8. ENGLAND, S.W.	78	17	86·9	80·5	83·6	+ 0·4	3090	+ 44	145	−182	180	+ 6	35·01	888	+ 56	3·9	−0·8	31	1015
9. IRELAND, NORTH ...	77	23	86·1	79·6	82·7	+ 0·3	2720	+110	241	−140	225	+17	35·97	914	+ 80	3·3	−0·5	26	1011
10. IRELAND, SOUTH ...	78	22	86·9	80·4	83·6	+ 0·4	3074	+ 60	147	−146	214	+29	38·60	980	+114	3·6	−0·7	28	1014
11. ENGLISH CHANNEL ...	75	29	87·5	82·6	85·0	+ 0·4	3745	+151	20	− 86	156	−24	25·43	644	− 52	5·0	−0·6	40	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F	day-deg. F	day-deg. F	day-deg F			inches	mm.	mm.	hr	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
26th November 1920

METEOROLOGICAL OFFICE
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 47.

FORTY-SEVENTH WEEK.

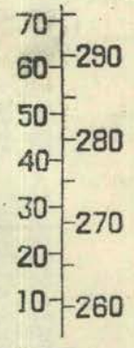
SUNDAY, NOVEMBER 21ST, TO SATURDAY, NOVEMBER 27TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

During the first half of the week anticyclonic conditions prevailed over the British Isles generally, with an area of low pressure on the Atlantic. After Wednesday the latter system began to spread eastwards and at the close of the week it was passing directly across the southern districts, causing strong winds from south or south-east, and rain generally. Fog and frost were very prevalent on the earlier days of the period and at stations where the fog persisted all day some remarkably low temperatures were recorded. This was particularly the case on Tuesday over the eastern and south-eastern half of England, where many stations had minima as low as 266 a followed during the day by maxima no higher than 272 a, giving a mean for the day of 269 a (25° F.). During this period at many stations on the coast bright sunshine prevailed for between 7 and 8 hours per day. The highest maxima were registered as a rule on Thursday or Friday and the lowest minima earlier in the week; among the lowest readings were 264 a at Balmoral and West Linton, 265 a at Rhayader and 266 a at Cambridge and Geldeston; on the grass the thermometer went down to 262 a at Wisley on Monday and 260 a at Rhayader on Tuesday. The mean for the week was above the normal in west and north and below in the eastern and southern districts. Rainfall was below the normal in all parts of Great Britain, but in Ireland there was a slight excess; on Friday and Saturday there were heavy falls at widely separated stations, 34mm. at Rothesay, 47mm. at St. Ann's Head and 28mm. at Killarney. Solar and lunar halos were observed on several occasions in different parts of the country.

For the autumn season (ended November 27th), temperature was in excess of the normal in all parts of the United Kingdom, except England E., the Midland Counties and England S.E., where it was about normal. Rainfall for the same period was decidedly less than the normal except in Ireland, while bright sunshine was deficient except in England E. and England N.W., where there was a slight excess.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	25	6·3	15	3·3	—	—	9	1·5	11	2·7	—	—	23	5·9	—	—
North	1	0·3	4	1·1	—	—	8	1·2	1	1·6	—	—	2	2·2	—	—
West	4	1·3	3	1·2	—	—	0	—	1	1·1	—	—	4	4·6	—	—
East	16	4·1	17	2·6	—	—	19	2·7	20	4·9	—	—	19	4·0	—	—
Calm	2	—	8	—	—	—	9	—	6	—	—	—	3	—	—	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

The Week.—Comparison with Normal. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet, *see below*, Note (1).

		Districts of the British Isles											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Moderate	Deficient	Deficient	Deficient	Moderate	Moderate	Moderate	Moderate	Unusual	Moderate	Moderate
	Rainfall ...	Light	Light	Light	Light	Moderate	Light	Moderate	Very light	Moderate	Moderate	Moderate	Light
	Sunshine ...	Moderate	Abundant	Moderate	Very abundant	Scanty	Very abundant	Scanty	Very abundant	Abundant	Moderate	Moderate	Abundant

The Season.—Enumeration of the characters of the weeks already elapsed.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

		0.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
AUTUMN. 13 weeks from August 29th, 1920.	Warmth ...	6, 5, 2	4, 6, 3	5, 5, 3	4, 5, 4	5, 4, 4	4, 6, 3	5, 7, 1	5, 6, 2	3, 7, 3	9, 2, 2	7, 5, 1	4, 6, 3
	Rainfall ...	3, 2, 8	3, 4, 6	3, 1, 9	2, 2, 9	2, 5, 6	2, 5, 6	2, 5, 6	1, 5, 7	3, 4, 6	3, 7, 3	4, 5, 4	3, 5, 5
	Sunshine ...	5, 4, 4	5, 4, 4	2, 6, 5	4, 5, 4	1, 5, 7	3, 5, 5	1, 4, 8	6, 6, 1	3, 6, 4	3, 3, 7	2, 3, 8	4, 5, 4

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 m.m. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31098—19) Wt. 24—561/P25 500 12/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F.	°F
0. SCOTLAND, N.																							
a. Islands.. a Lerwick	54	50	22, 25, 26	39	23rd	48·9	44·0	46·5	+ 5·2	2	0·17	4	+ 21										
p Deerness, Orkney ..	165	53	21st	38	23rd	49·1	44·3	46·7	+ 5·3	2	0·93	24	+ 1	Deerness ..	0·0	- 1·0	0	—	—	—	—	—	—
a Stornoway	51	53	21st	37	24th	50·7	45·1	47·9	+ 6·4	3	0·12	3	- 32	Stornoway ..	2·1	+ 0·9	28	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	53	21, 23, 24	47	22-26	52·1	48·1	50·1	—	3	0·55	14	—	Castlebay ..	1·5	—	20	—	—	—	—	—	—
b. Mainland. a Wick	81	49	21, 24, 27	27	24th	48·4	39·3	43·9	+ 3·3	2	0·75	19	+ 1										
a Strathpeffer	125	49	25, 26	23	23, 24	44·0	32·7	38·4	- 1·6	1	0·34	9	- 9										
p Glencarron	700	53	26th	27	23rd	48·6	37·3	43·0	+ 3·4	2	0·52	13	- 44										
a Fort Augustus.. ..	68	53	26, 27	23	23rd	49·0	35·9	42·5	+ 2·1	1	0·37	9	- 19										
p Fort William	171	53	24, 26, 27	25	23rd	49·4	37·3	43·4	+ 2·1	3	0·88	22	- 28										
1. SCOTLAND, E.																							
a Nairn	82	51	27th	24	24, 25	45·1	32·1	38·6	- 1·1	3	0·13	3	- 9	Nairn	3·4	—	45	—	—	—	—	—	—
† Gordon Castle	101	52	21st	26	23rd	48·3	36·7	42·5	+ 1·8	1	0·40	10	- 4	Gordon Castle..	2·8	—	37	—	—	—	—	—	—
a Aberdeen	46	49	25-27	23	23, 24	46·9	38·4	42·7	+ 2·1	2	0·84	21	+ 6	Aberdeen ..	1·3	- 0·4	17	4	19	—	—	46·6	+1·6
a Balmoral	930	50	22nd	15	24 h	44·3	30·4	37·4	+ 0·5	2	0·57	14	- 4	Balmoral ..	—	—	—	4	13	—	—	—	—
† Crieff	432	49	21st	23	24, 23	44·1	32·9	38·5	- 1·3	3	1·25	32	+ 10	Crathes	1·9	+ 0·2	25	4	15	40·9	+0·8	45 4	+1·0
a Dundee	244	47	25-27	22	23rd	45·3	33·7	39·5	- 0·3	3	0·78	20	+ 8	Dundee	1·7	—	22	4	13	41·9	—	—	—
a Leith	30	50	25-27	25	23, 24	46·3	36·3	41 3	- 0·5	3	0·06	2	- 8	Leith	—	—	—	3	23	—	—	—	—
p Edinburgh	441	55	21st	29	23rd	46·7	36·6	41·7	+ 1·0	1	0·04	1	- 10	Edinburgh ..	2·0	+ 0·1	26	3	18	—	—	—	—
a West Linton	769	48	25th	16	23rd	46·6	30·1	38·4	+ 1·9	1	0·08	2	—	West Linton ..	2·8	—	36	5	16	—	—	—	—
p Marchmont	498	49	22nd	24	22nd	46·4	31·9	39·2	- 0·1	3	0·52	13	- 2	Marchmont ..	2·2	+ 0·5	28	—	—	—	—	—	—
6. a. SCOTLAND, W																							
a Ford (Argyll)	149	51	21, 25	30	23rd	49·5	39·7	44·6	—	3	1·59	41	—	Ford (Argyll) ..	—	—	—	3	20	44·2	—	48·6	—
p Glasgow Observatory	180	51	21st	26	23rd	46·3	38·4	42·4	+ 1·2	3	0 59	15	- 6	Glasgow.. ..	0·2	- 0·6	3	3	21	—	—	—	—
a Renfrew	49	51	25th	23	24th	45·6	35·7	40·7	—	3	0 75	19	—	Renfrew ..	0·3	—	4	3	20	—	—	—	—
p Rothesay	200	50	21, 25-27	34	23rd	47·1	39·4	43·3	+ 1·1	3	1·80	46	+ 18	Rothesay ..	1·7	—	21	2	29	44·0	—	47·7	+1·5
a Kilmarnock	90	52	25th	21	23rd	49·0	36·9	43·0	+ 2·8	3	0·57	14	- 7	Kilmarnock ..	2·8	—	36	—	—	43·1	—	48 5	—
a Colmonell	170	53	25th	28	23rd	49·1	38·0	43 6	+ 1 7	4	0·99	25	- 3	Colmonell ..	—	—	—	3	22	—	—	—	—
p Dumfries	160	50	25, 27	24	23rd	47·4	34·0	40·7	- 0·1	2	0·25	6	- 14	Dumfries ..	2·5	—	32	3	17	41·9	+1·9	47·4	+2·4
a Eskdalemuir	794	49	27th	21	23rd	46·6	32·0	39·3	—	2	0·24	6	—	Eskdalemuir ..	3·7	—	47	4	14	—	—	—	—
b. I. OF MAN p Douglas	284	54	25th	38	23rd	49·1	42·6	45·9	+ 2·3	4	0·88	22	- 5	Douglas	1·7	- 0·3	21	0	33	—	—	—	—
2. ENGLAND, N.E																							
a Alnwick Castle ..	210	53	21st	21	23rd	48·6	32·7	40·7	- 0·4	2	0·30	8	- 6										
a Tynemouth	118	49	26, 27	34	23rd	45·3	35·3	40·3	- 1·5	2	0·26	7	- 3	Cockle Park ..	1·6	- 0·5	20	4	16	39·5	+0·8	44·7	+0·9
p Durham	336	47	24, 26, 27	23	23rd	42·9	33·0	38 0	- 2·5	1	0·24	6	- 4	Durham ..	1·1	- 0·8	13	4	16	—	—	—	—
a North .. p Rounton	249	49	25-27	24	23rd	44·1	34·4	39·3	- 1 1	2	0·36	9	- 2	Rounton ..	—	—	—	5	18	42·4	—	—	—
a West Witton	805	47	25th	22	22nd	41·1	31·1	36·1	—	4	0·20	5	—	West Witton ..	—	—	—	6	19	39·0	—	46 1	—
p Scarborough	118	50	24, 26, 27	33	21, 22	47·6	39·3	43·5	+ 0·9	1	0·12	3	- 9	Scarborough† ..	2·6	+ 0·9	32	—	—	—	—	47 0	—
p York	80	50	26th	30	23rd	43·0	35·6	39·3	- 2·2	4	0·34	9	- 1	York	0·7	- 0·7	8	—	—	44·2	+0·9	48 6	- 0 7
a Spurn Head	26	252	27th	30	22, 23	47·9	35·4	41·7	- 1·2	1	0 09	2	- 7	Spurn Head ..	—	—	—	—	—	—	—	—	—
b. South .. a Lincoln	58	51	25, 26	22	22nd	43·3	31·6	37 5	- 3 7	1	0·25	6	- 4	Lincoln	—	—	—	4	21	40 9	+0 1	47 6	+0·1
a Fulbeck	180	52	25th	20	22nd	43·7	31·1	37 4	- 3 9	0	0·22	6	- 4	Fulbeck	1 5	- 0·4	19	4	19	—	—	—	—
														Skegness ..	4·1	+ 1·8	49	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	198	52	27th	33	21st	48·9	37·1	43·0	+ 0·7	2	0·03	1	- 9	Cromer	4·5	+ 2·7	54	—	—	—	—	—	—
a Little Massingham ..	177	51	25, 26	26	21st	46 4	31·3	38·9	- 1·8	6	0·13	3	- 9	Lit. Massingham	4·3	+ 2·7	51	—	—	—	—	—	—
a Yarmouth	13	51	25th	39	22nd	48·9	42·6	45·8	+ 3·6	1	0·04	1	- 10	Yarmouth ..	4 9	—	58	0	34	45 9	+3·6	49·0	+0·7
a Norwich	93	51	27th	23	21, 22	47 1	36·6	39·4	- 1·8	2	0·05	1	- 11	Norwich ..	4·6	—	56	6	19	35·7	—	—	—
a Geldeston	37	55	25.h	19	21st	49·9	31·3	40·6	- 1·4	1	0·07	2	- 9	Geldeston ..	4·5	+ 2·7	54	—	—	—	—	—	—
p Cambridge	41	53	25th	19	21, 22	44·6	30·0	37·3	- 3·9	1	0·15	4	- 5	Cambridge ..	2·4	+ 0·7	28	6	16	40·2	-2·4	43·0	-0·6
a Clacton-on-Sea ..	54	51	26th	35	23rd	48·7	41·6	45·2	+ 3 0	1	0·08	2	- 7	Clacton	4·8	+ 2·8	56	0	33	44·5	-0·7	49·7	+0·1
a Rothamsted	420	52	25th	24	21st	46·1	31·4	38 8	- 2·1	6	0·70	15	+ 6	Rothamsted ..	4·0	+ 2·2	47	7	13	40·3	—	—	—
p Tottenham	51	53	25th	26	21st	46·6	32·9	40·6	—	1	0·51	13	—	Tottenham ..	2·1	—	24	4	23	—	—	49·1	-0·7
														S'thend-on-Sea	5·0	—	58	2	27	44·7	+1·3	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	49	27th	30	23rd	43·3	33·9	38·6	- 1·7	3	0·28	7	- 4	Harrogate ..	0·6	- 1·6	7	2	28	42 9	+0·9	46·1	+1·1
p Sheffield	429	51	25th	31	23rd	43·4	36·0	39 7	—	1	0·24	6	—	Sheffield.. ..	0 1	- 1·3	2	1	29	42·3	+0·2	46·8	-0·7
p Buxton	987	48	25th	24	23rd	42·6	33·1	37·9	- 0·9	2	0·24	6	- 14	Buxton	1 2	—	14	5	25	40·4	+0 9	46·8	+0·3
a Worksop	56	53	25th	28	24, 25	42·9	32·9	37·9	- 3·3	3	0·41	10	+ 2	Worksop ..	0·6	- 0·7	7	3	24	42·3	—	46·8	—
a Nottingham	82	52	25th	28	22, 23	43·1	33·9	38·5	- 2·7	2	0·44	11	+ 3	Nottingham ..	0·4	- 0·8	4	2	24	39·8	-0·5	45·7	-0·3
b. East .. p Birmingham, Edgbsn.	523	53	25th	28	22nd	44·3	35·7	40·0	- 1·4	5	0·04	1	- 9	Birmingham ..	0·8	- 0·4	9	4	26	42·4	-0·4	48·3	+0·1
a Raunds	203	52	25th	19	22nd	44·7	29·1	36 9	- 3·6	4	0·61	15	+ 6	Raunds	2·9	—	35	5	14	40·4	—	—	—
p Oxford	208	54	25, 27	23	22nd	46·7	33·1	39·9	- 2·0	3	0·18	5	- 5	Oxford	2·5	+ 0·8	30	5	18	—	—	—	—
														Malvern ..	1·7	—	20	3	22	42·6	—	48·0	—
a Cheadle (N. Staffs.) ..	646	49	25th	27	23rd	43·1	34·3	38·7	- 1·4	1	0·28	7	- 5	Cheadle	—	—	—	4	23	—	—	—	—
c. West .. p Tenbury	313	53	25th	22	22nd	44·7	34·1	39·4	- 2·1	3	0·11	3	- 6	Tenbury	—	—	—	4	18	42·7	—	—	—
a Hereford	201	55	25th	27	23, 24	46·7	34·6	40·7	- 0·8	2	0·09	2	- 8	Ross-on-Wye ..	1·5	—	18	2	25	43·3	—	49·2	—
a Clifton	225	54	27th	28	22nd	47·3	35·6	41·5	- 1·6	2	0·12	3	- 10	Clifton	2 2	—	25	3	27	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	53	25, 27	20	22, 24	47·1	30·6	38 9	- 1·7	2	0·09	2	- 12	Worthing ..	3·6	+ 1·5	42	3	28	43·1	-0·7	49·8	-0·4
p Wilton Ho.* ..	180	54	25, 27	26	22nd	48·6	35·1	41·9	+ 0·5	2	0·25	6	- 10	Marlborough ..	1·6	+ 0·1	18	3	15	42·9	—	49·6	—
a Wisley, Surrey ..	150	56	25th	21	22nd	46·6	27 9	37·3	- 4·4	3	0·44	11	+ 1	Wilton Ho. ..	—	—	—	4	21	41·8	—	—	—
a Tunbridge Wells ..	354	54	25th	29	21, 22	49·3	34·6	42·0	- 0·1	1	0·31	8	- 7	Wisley	1·9	+ 0·4	23	6	12	41·2	-1·6	47·8	-0·5
a Margate	51	52	27th	35	21st	48·9	39 7	44·3	+ 0·6	1	0·07	2	- 8	Tunbridge Wells	4·1	+ 2·2	47	4	19	43·0	+1 3	48·9	—
														Margate	4·2	+ 2·6	49	2	26	42·8	-2·3	49·6	+2·4
a Dungeness	21	53	27th	39	21, 24, 25	49·3	41·4	45·4	+ 1·4	1	0·08	2	- 10	Folkestone ..	4·2	—	49	—	—	—	—	50·0	—
p St. Leonards	178	54	27th	33	24th	48·9	40·6	44·8	+ 0·7	2	0·09	2	- 11	St. Leonards ..	4·1	+ 2·0	47	3	28	43·3	—	50·0	—
p Southampton	64	56	25, 27	29	22-24	50·0	36·7	43·4	- 0·3	4	0 21	5	- 9	Southampton ..	4·1	+ 2·3	48	4	22	—	—	—	—
a Ventnor	59	55	25, 27	39	24th	51·9	44·6	48·3	+ 2 4	2	0·78	20	+ 6	Ventnor	4·4	+ 2·3	51	—	—	—	—	—	—
LONDON. a Richmond Kew Obs.)	18	55	25th	24	23rd	47·1	30·6	38·9	- 3 4	3	0·54	14	+ 4	Richmond ..	1·6	+ 0·2	19	5	19	38·3	-4·3	47·8	-1·1
a Westminster	27	56	25th	33	21st	49·8	37 0	43 4	- 0·1	1	0·43	11	+ 2	Westminster ..	1·4	+ 0·6	16	4	27	—	—	—	—
ag Greenwich	149	55	25th	23	22nd	48·6	31·4	40·0	- 3 4	4	0·32	8	- 5	Greenwich ..	4·4	+ 3·0	51	6	15	—	—	—	—
a Hampstead	450	54	25th	30	21st	46 4	35·9	41·2	—	2	0·59	15	—	Hampstead ..	3·0	—	35	4	24	—	—	—	—
ag Camden Square ..	110	55	25th	27	22nd	47·4	32·7	40·1	- 2·7	1	0·50	13	+ 3	Camden Square	—	—	—	6	20	—	—	—	—
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	54	23, 27	33	21, 23	50·7	37·9	44·3	+ 3·4	1	0·07	2	- 19	Aspatria.. ..	3·6	+ 1·8	45	3	21	43·0	+1 2	47·6	+0·2
p Newton Rigg	559	51	26th	23	23rd	49·0	32·0	40·5	+ 1·3	1	0·04	1	- 17	Newton Rigg ..	4·1	+ 2·5	50	—	—	—	—	—	—
p Stonyhurst	376	51	25th	29	22, 23	45 6	35 7	40 7	- 0 4	1	0·15	4	- 19	Stonyhurst ..	3·0	+ 1·6	38	3	24	—	—	—	—
a Blackpool	66	52	25th	24	23rd	46·7	34 3	40 0	- 2·2	2	0·23	6	- 11	Blackpool ..	1·7	0·0	21	2	20	44·3	—	49·3	—
a Southport	37	51	25th	27	22nd	43·9	36 0	39·5	- 2·7	3	0·10	3	- 13	Southport ..	1·5	- 0·1	19	3	19	40·2	-0·1	46·4	+0·6
														Hoylake ..	1·8	0·0	22	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	52	25th	30	23rd	44·9	36·7	40·8	- 2·1	1	0·08	2	- 11	Liverpool ..	1·9	—	23	4	27	—	—	—	—
a Hawarden Bridge ..	22	54	5th	29	24th	45·1	36·9	40 5	- 2 8	2	0·13	3	- 8	Manchester(City)	0·8	+ 0·4	10	3	26	41·3	+0·1	48·5	0·0
p Manchester (Whit. Pk.)	120	53	25th	25	22, 23	46 4	36·0	41·2	- 0·9	2	0·07	2	- 12	Whitworth Park	1·0	+ 0·4	13	—	—	—	—	—	—
v. NORTH WALES.																							
p Llanduc no	22	57	25th	31	22nd	51·0	38·9	45·0	+ 0·4	3	0·08	2	- 14	Llandudno ..	3·8	+ 1·9	46	—	—	—	—	—	—
a Holyhead	10	54	21, 25	33	22nd	52·7	40·7	46·7	+ 1·9	2	0·63	16	- 5	Holyhead ..	2·9	—	35	2	19	—	—	—	—
a Aberdovey	60	—	—	—	—	—	—	—	—	—	—	—	—	Aberdovey ..	—	—	—	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 1 ft Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°C.	°F.	°C.
a. SOUTH WALES.																						
a Aberystwyth	16	55	25th	34	22nd	52·0	40·0	46·0	—	2	0·03	2	—	Aberystwyth ..	3·2	+ 1·3	38	—	—	—	—	—	—
a Rhayader	767	53	25th	18	23rd	45·9	30·9	38·4	—	2	0·24	6	—	Rhayader ..	2·6	—	31	4	8	—	—	—	—
a St. Ann's Head ..	149	55	25th	37	24th	51·3	43·4	47·4	+ 1·4	4	2·01	51	+ 32	St. Ann's Head ..	2·2	+ 0·3	26	—	—	—	—	—	—
p Cardiff	202	54	25th	26	23rd	47·4	36·1	41·8	- 0·4	2	0·18	5	- 15	Cardiff	2·2	—	25	3	22	42·9	+ 0·2	49·7	+ 1·0
b. ENGLAND, S.W.																						
a Bath	68	56	25th	28	22, 23	48·0	35·3	41·7	- 0·7	2	0·06	2	- 12	Bath	2·6	+ 0·8	31	—	—	44·7	0·0	50·5	+ 0·2
a Shaftesbury	723	52	25th	29	24th	46·7	35·0	40·9	- 0·8	2	0·37	10	- 6	Shaftesbury ..	—	—	—	—	—	43·7	—	49·0	—
a Arlington	613	54	25th	34	24th	49·9	40·0	45·0	+ 2·3	3	0·79	20	- 8										
a Newquay	191	56	25th	39	23, 24	51·8	43·3	47·6	+ 1·0	3	0·55	14	- 4	Newquay ..	2·3	0·0	26	—	—	49·3	—	52·6	—
a Cullompton	202	56	25th	29	22nd	50·1	37·9	44·0	+ 1·2	4	1·12	28	+ 10	Cullompton ..	2·6	+ 0·9	31	3	21	45·4	—	—	—
a Portland Bill	19	62	25th	38	23, 24	53·9	43·9	48·9	+ 2·4	3	0·20	5	- 8	Weymouth ..	3·3	—	38	—	—	—	—	—	—
p Plymouth	116	56	25th	39	23rd	52·6	44·6	48·6	+ 3·2	4	0·88	22	+ 3	Plymouth ..	2·2	+ 0·2	26	0	33	47·1	+ 1·6	51·8	—
a Falmouth	167	55	26th	44	25th	52·3	47·3	49·8	+ 3·5	3	0·71	18	- 7	Falmouth ..	1·6	- 0·7	18	0	40	50·4	—	53·4	—
9. IRELAND, N.																						
a Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a West .. { a Blacksod Point ..	10	56	23rd	40	25th	53·0	43·1	48·1	+ 2·9	3	0·91	23	- 8	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany ..	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	1·4	- 0·2	17	2	27	47·2	+ 3·0	50·8	+ 1·6
p Markree Castle ..	122	53	21, 26	34	23, 24	50·3	39·3	44·8	+ 2·7	4	1·02	26	+ 1										
b. East .. { p Armagh	204	52	26, 27	29	23rd	49·6	37·6	43·6	+ 1·4	5	1·18	30	+ 13	Armagh	1·7	- 0·1	20	3	18	43·0	+ 3·0	49·4	+ 1·5
a Donaghadee ..	35	53	25th	43	23rd	51·0	45·9	48·5	+ 4·8	4	0·71	18	0										
10. IRELAND, S.																						
p Dublin, City	54	53	21, 27	36	23rd	50·7	42·1	46·4	+ 2·2	4	1·22	31	+ 18	Trinity Coll. ..	1·0	—	12	2	25	47·4	+ 3·4	50·3	+ 2·3
a Birr Castle	175	53	26th	32	23, 24	49·9	40·4	45·2	+ 3·3	4	0·77	20	+ 4	Phœnix Park ..	2·0	- 0·2	24	6	23	—	—	—	—
a Kilkenny	195	54	26th	34	23rd	50·4	41·7	46 1	+ 3·7	4	0·89	23	+ 7	Dublin City ..	—	—	—	—	29	—	—	—	—
a Waterford	137	54	26th	35	25th	51·3	43·0	47·2	+ 3·3	2	0·32	8	- 11	Birr Castle ..	1·8	- 0·2	21	3	22	—	—	—	—
p Seskin, Carrick-on-Suir	542	52	21st	34	23, 24	48·6	39·6	44·1	—	5	1·11	28	—	Seskin	1·1	—	13	3	29	—	—	—	—
a Cahir	199	56	27th	35	23, 25	51·7	40·4	46·1	+ 3·4	4	1·16	29	—										
a Foynes	50	54	26th	34	25th	50·0	40·3	45·2	+ 1·2	3	0·88	22	+ 1										
a Cahirciveen (Val. Obs.)	30	55	21, 26	39	26th	52·3	45·3	48·8	+ 2·4	3	1·38	35	+ 7	Cahirciveen ..	1·8	- 0·1	21	0	34	—	—	—	—
a Killarney	174	57	26th	38	25th	51·6	44·5	48·1	+ 3·5	3	1·87	47	+ 17	Ballinacurra ..	1·1	- 0·8	13	—	—	—	—	—	—
a Roche's Point	32	54	25, 26	37	25th	52·4	47·3	49·9	+ 4·1	5	1·11	28	+ 6										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	57	26th	46	24th	53·4	48·9	51·2	+ 2·5	2	0·31	8	- 9	Scilly	2·5	+ 0·5	23	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	55	27th	35	22-24	49·7	40·0	44·9	- 2·5	1	0·32	8	- 11	St. Heliers ..	3·7	+ 1·6	42	—	—	—	—	—	—
† Guernsey (Villa Carey)	180	56	25th	39	21st	51·4	43·3	47·4	0·0	2	0·43	11	- 10	Guernsey† ..	3·4	+ 1·6	39	3	28	47·4	- 0·4	52·5	+ 0·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, November 27th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration.	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr.	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	24 to 23	42	39	69	18	0	150	16	26	18	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	48	70	41	9	170	7	25	10	15	27	11	50
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	57	93	18	0	150	10	24	23	—	—	—	—
Edinburgh	485	39	31	—	0	—	0	32	100	36	0	140	11	26	17	17	23	15	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	—	0	—	0	18	71	79	0	40	10	24	16	14	24	16	10
Paisley	188	81	15	—	0	—	0	8	8	62	0	90	7	24	18	15	24	18	10
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	26	63	74	0	160	8	26	14	14	23	18	35
South Shields	72	61	12	—	0	—	0	27	90	51	0	140	10	24	14	14	24	14	10
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	24	2	113	51	0	0	150	12	24	9	16	24	9	10
Shoeburyness	103	90	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. MIDLAND COUNTIES.																			
Benson	270	81	‡	—	0	—	0	61	65	40	0	110	11	24	19	14	24	18	0
5. ENGLAND, S.E.																			
Brighton	281	53	8	—	0	—	0	33	130	2	0	—	9	24	13	15	24	18	30
S. Farnboro' (Pyestk Tr)	413	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Richmond (Kew Obs.)..	52	06	22	—	0	—	0	1	120	47	0	80	6	23	15	11	23	15	0
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	12	35	40	121	—	—	—	—	—	—	—	—
Southport	80	62	18	—	0	—	0	69	90	6	3	90	9	24	11	15	24	11	25
Holyhead	60	40	‡	—	0	24, 27	6	61	69	32	0	70	16	24	10	20	24	6	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	85	24	—	0	22 to 27	64	101	1	0	0	110	16	23	16	24	24	9	0
Plymouth	185	88	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lyme Regis	556	61	‡	—	0	24	7	20	97	41	0	—	16	24	19	22	24	19	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	23 to 27	18	78	53	14	0	120	15	24	21	—	—	—	—
Galley	100	40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val. Obs.)	88	41	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Weaver Pt.	190	30	‡	—	0	23 to 25, 27	23	115	28	2	0	—	13	23	22	18	24	0	45
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees

** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-SEVENTH WEEK of 1920—November 21st to November 27th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	53	23	82·1	76·8	79·5	+ 1·8	25	+ 11	9	−14	2	− 3	0·45	11	− 23	1·1	+0·1	14	1018
Eastern.																			
1. SCOTLAND, EAST ...	52	15	80·8	73·9	77·3	+ 0·1	11	− 2	32	+ 3	2	− 2	0·48	12	− 3	2·1	+0·4	27	1019
2. ENGLAND, N.E.	53	20	80·3	74·3	77·3	− 1·0	9	− 8	29	+10	2	− 2	0·24	6	− 5	2·0	+0·1	24	1021
3. ENGLAND, EAST ...	55	19	81·7	74·3	78·1	− 0·2	16	− 2	31	+11	2	− 2	0·20	5	− 6	3·9	+2·2	47	1022
4. MIDLAND COUNTIES ...	55	19	80·1	73·9	77·0	− 1·1	8	− 9	31	+ 7	3	− 1	0·26	7	− 4	1·1	−0·5	13	1020
5. ENGLAND, S.E.	56	20	82·3	75·3	78·8	− 0·3	28	+ 5	16	+ 1	2	− 2	0·29	7	− 7	3·4	+1·6	39	1020
Western.																			
6. SCOTLAND, WEST ...	54	21	81·9	76·6	79·3	+ 0·9	24	+ 6	10	− 9	3	− 2	0·95	24	− 6	1·0	−0·5	12	1020
7. ENGLAND, N.W.	57	23	81·8	75·5	78·7	− 0·1	25	+ 6	15	− 1	2	− 2	0·16	4	− 16	3·0	+1·4	36	1017
8. ENGLAND, S.W.	62	18	82·9	77·1	80·0	+ 0·3	29	+ 2	7	− 6	3	− 1	0·66	17	− 4	2·4	+0·5	28	1015
9. IRELAND, NORTH ...	56	29	83·4	78·2	80·8	+ 1·7	31	+ 10	2	−13	4	− 1	0·92	23	+ 1	1·5	−0·2	19	1014
10. IRELAND, SOUTH ...	57	32	83·6	79·0	81·3	+ 1·6	35	+ 7	0	−13	4	0	1·06	27	+ 6	1·7	−0·3	20	1013
11. ENGLISH CHANNEL ...	57	35	83·8	79·7	81·8	− 0·1	41	− 3	0	− 2	2	− 3	0·35	9	− 10	3·2	+1·2	38	1015

THE SEASON (Autumn).—Aggregates, &c., for the Period of 13 Weeks, August 29th to November 27th, 1920.

0. SCOTLAND, NORTH ...	69	23	85·6	78·6	82·4	+ 0·9	678	+ 80	33	−61	48	−15	11·34	289	− 73	2·6	+0·1	25	1013
Eastern.																			
1. SCOTLAND, EAST ...	71	15	85·6	78·5	82·0	+ 0·4	668	+ 37	87	−34	42	−11	6·28	159	− 62	2·9	−0·1	27	1015
2. ENGLAND, N.E.	74	20	86·6	79·6	83·0	+ 0·2	798	+ 37	56	− 9	33	−15	3·77	95	− 82	3·1	−0·3	28	1017
3. ENGLAND, EAST ...	75	19	87·5	79·4	83·4	0·0	899	+ 30	108	+40	33	−14	3·80	98	− 75	4·1	+0·3	37	1018
4. MIDLAND COUNTIES ...	75	19	86·9	79·0	82·8	0·0	795	+ 5	89	− 4	36	−11	5·29	136	− 51	2·6	−0·6	24	1017
5. ENGLAND, S.E.	76	20	87·9	80·4	84·1	− 0·1	971	+ 16	46	− 3	31	−16	5·54	142	− 76	3·7	−0·2	34	1017
Western.																			
6. SCOTLAND, WEST ...	71	21	86·4	80·4	83·3	+ 0·9	821	+108	26	−45	47	− 6	11·04	279	− 63	2·5	−0·5	23	1016
7. ENGLAND, N.W.	74	23	86·9	80·4	83·5	+ 0·4	875	+ 76	32	−18	37	−15	6·05	155	−106	3·6	+0·4	33	1016
8. ENGLAND, S.W.	75	18	87·6	80·9	84·1	+ 0·2	948	+ 32	21	−18	36	−17	8·21	209	− 82	3·4	−0·3	31	1016
9. IRELAND, NORTH ...	70	29	87·2	81·1	84·0	+ 1·2	900	+146	2	−54	57	− 2	10·81	274	+ 6	2·6	−0·4	24	1012
10. IRELAND, SOUTH ...	71	29	87·8	81·6	84·6	+ 1·1	997	+128	2	−44	54	+ 1	11·00	280	+ 10	3·0	−0·5	27	1014
11. ENGLISH CHANNEL ...	75	34	88·4	83·6	85·9	+ 0·2	1208	+ 29	0	−3	37	−19	7·91	201	− 59	4·2	−0·2	38	1016

THE YEAR 1920.—Aggregates, &c., for the Period of 47 Weeks, January 4th to November 27th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·6	78·4	81·4	+ 0·5	2128	+ 67	420	−213	205	−14	50·04	1272	+150	3·6	+0·3	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	15	85·2	77·8	81·4	+ 0·3	2214	− 68	543	−195	185	− 1	28·37	719	+ 18	4·0	+0·1	31	1011
2. ENGLAND, N.E.	79	20	86·4	79·2	82·7	+ 0·6	2799	+165	336	−201	166	− 2	22·69	578	+ 14	3·9	−0·3	30	1014
3. ENGLAND, EAST ...	84	19	87·5	79·4	83·3	+ 0·6	3273	+176	378	−184	150	−13	18·34	469	− 69	4·6	−0·1	36	1016
4. MIDLAND COUNTIES ...	82	19	87·2	79·1	82·9	+ 0·5	2947	+ 29	352	−263	175	+13	27·44	698	+ 99	3·5	−0·6	27	1015
5. ENGLAND, S.E.	81	17	87·7	80·2	83·8	+ 0·5	3364	+121	212	−216	151	− 8	23·08	590	− 20	4·4	−0·4	35	1016
Western.																			
6. SCOTLAND, WEST ...	80	21	85·6	79·3	82·4	+ 0·5	2781	+ 60	295	−192	214	+20	46·25	1175	+134	3·4	−0·6	26	1013
7. ENGLAND, N.W.	81	22	86·2	80·0	83·0	+ 0·5	2885	+128	219	−213	190	+12	35·71	908	+120	3·6	−0·6	29	1014
8. ENGLAND, S.W.	78	17	86·8	80·4	83·5	+ 0·4	3119	+ 46	152	−188	183	+ 5	35·67	905	+ 52	3·9	−0·7	31	1015
9. IRELAND, NORTH ...	77	23	86·1	79·6	82·7	+ 0·4	2751	+120	243	−153	229	+16	36·89	937	+ 81	3·3	−0·5	26	1011
10. IRELAND, SOUTH ...	78	22	86·9	80·4	83·5	+ 0·4	3109	+ 67	147	−159	218	+29	39·66	1007	+120	3·6	−0·6	28	1014
11. ENGLISH CHANNEL ...	75	29	87·5	82·5	84·9	+ 0·4	3786	+148	20	− 88	158	−27	25·78	653	− 62	5·0	−0·5	39	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr.	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
3rd December 1920.

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 48.

FORTY-EIGHTH WEEK.

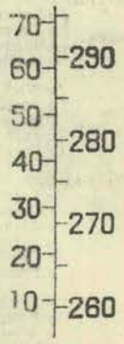
SUNDAY, NOVEMBER 28TH TO SATURDAY, DECEMBER 4TH, 1920.

Price, 0d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

METEOROLOGICAL OFFICE 13 DEC 1920 LIBRARY

I.—GENERAL SUMMARY. [First published in 187[illegible]

The depression which was passing across our Islands at the beginning of the week was followed later by similar systems so that changeable and unsettled weather, with frequent rain and occasional hail showers prevailed till the end of the period. Gales were experienced on several days, the most severe being that of Friday and Saturday, when gale force was experienced for nearly 24 hours over the Irish Sea; at Southport on Friday at 15h. the wind reached 37 metres per second (84 miles per hour) in gusts. Gusts exceeding 30 m/s were recorded at places so far apart as Dyce, near Aberdeen, and Pendennis Castle, near Falmouth. Temperature was very uniform till the close of the week, the maxima being moderate and the minima high, but on Friday, in advance of the depression, a warm wave spread over the country and readings of 286 a were registered in most districts. Associated with the veering of the wind in the rear of the depression there was a drop in the temperature, and in many places Saturday was 5 a cooler than Friday. The barograph curve from the Coats Observatory at Paisley shows a rise covering 26mb. (0·77 inch) between 10h. and 22h. on the 3rd and 44mb. (1·30 inch) between 10h. on the 3rd and 10h. on the 4th. The total rainfall for the week was not particularly heavy except at some stations on the west coast of Ireland and in Scotland W., where the total for the week was between 70 and 80mm. In many parts of the British Isles, Wednesday, December 1st, was very bright, the sun shining practically all day, but with that exception the week was generally very cloudy, with fog on the earlier days. The observer at Fort Augustus reports snow on the mountains all the week. Aurora Borealis was witnessed over the greater part of Scotland on Saturday night. At Oxford, Solar halos were seen on Tuesday, Wednesday and Friday and the Zodiacal Light also on Friday.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	23	8·3	14	4·5	21	5·1	16	3·9	17	5·7	12	7·6	15	6·0	17	5·6
North	5	9·9	8	5·2	4	9·0	5	4·6	10	9·3	15	10·5	6	4·5	11	5 5
West	7	2·7	10	6·0	15	5·4	9	5·0	18	7·8	23	8·4	13	8·0	18	7·0
Eas	19	5·8	9	2·8	9	3·0	10	2·0	8	3·4	4	4·7	5	2·0	8	3·6
Cal	0	—	4	—	2	—	7	—	0	—	0	—	1	—	0	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet. *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual	Unusual
	Rainfall ...	Moderate	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Moderate	Heavy	Very heavy	Heavy	Moderate
	Sunshine ...	Moderate	Abundant	Scanty	Scanty	Moderate	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 1 week from November 28th, 1920.	Warmth ...	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0 0	1, 0 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0, 0	1, 0 0	1 0, 0
	Rainfall ...	0, 1, 0	1, 0, 0	1, 0, 0	1, 0 0	1, 0 0	1, 0, 0	1, 0, 0	0, 1, 0	1, 0 0	1, 0, 0	1, 0 0	0, 1, 0
	Sunshine ...	0, 1, 0	1, 0, 0	0, 0 1	0, 0, 1	0, 1, 0	0, 0, 1	0, 1, 0	0, 1, 0	0, 1, 0	1, 0, 0	0, 1, 0	0, 1, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—

Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31210—19) Wt. 24—561/P25 500 12/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.							Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.			in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
0. SCOTLAND, N.																					
a, Islands	a Lerwick	54	30th	42	4th	47·7	44·0	45·9	+ 4·7	7	1·65	42	+ 12								
	p Deerness, Orkney	105	29th	41	3rd	47·4	43·4	45·5	+ 4·3	5	1·62	41	+ 14	Deerness	0·0	- 0·9	0	—	—	—	—	—
	a Stornoway	51	30th	38	29th	47·4	40·9	44·3	+ 3·0	6	1·26	32	- 8	Stornoway	1·2	+ 0·2	18	—	—	—	—	—
	a Castlebay, Barra I.	7	51	29, 30	39	4th	49·3	42·7	46·1	—	5	1·46	37	—	Castlebay	1·3	—	19	—	—	—	—	—
b, Mainland	a Wick	81	49	29, 30	39	3rd	47·4	41·9	44·8	+ 4·4	6	1·20	30	+ 9									
	a Strathpeffer	125	48	30th	33	2nd	45·0	36·9	40 6	+ 1·1	4	1·06	27	+ 6									
	p Glencarron	10	51	30th	27	2nd	46·6	35·3	41 2	+ 1·9	6	1·90	48	- 18									
	a Fort Augustus	60	51	30th	34	29, 2	46·3	36·7	41 7	+ 1 7	4	1·50	38	+ 4									
	p Fort William	171	51	30th	35	29th	47·9	37·7	43·0	+ 1 9	6	2·05	52	- 8									
1. SCOTLAND, E.																							
	a Nairn	82	47	30th	34	2nd	45·6	37·7	41·8	+ 2·2	5	0·48	12	- 1	Nairn	2·0	—	28	—	—	—	—	—
	p Gordon Castle	101	50	30th	37	3rd	47·7	40·0	44·0	+ 3·1	5	0·93	24	+ 9	Gordon Castle	1·7	—	24	—	—	—	—	—
	a Aberdeen	48	50	3rd	37	2nd	48·0	42 6	45 4	+ 4 9	7	2·11	54	+ 37	Aberdeen	1·1	- 0·3	15	2	29	—	—	46·0	+2·0
	a Balmoral	930	45	2nd	29	3rd	42·7	34·4	38·7	+ 1·9	6	1·79	45	+ 26	Balmoral	—	—	—	3	26	—	—	—	—
	r Crieff	482	46	28, 1, 2, 4	34	3rd	45·3	36·9	41 3	+ 1·6	5	1·91	49	+ 24	Crathes	1·3	- 0·1	17	2	26	42·9	+3·7	44·5	+1·4
	a Dundee	244	47	30, 3	33	3rd	45·6	38·1	42·0	+ 2·3	6	0·95	24	+ 10	Dundee	1·7	—	23	2	27	42·0	—	—	—
	a Leith	30	53	3rd	39	1, 2	48·1	41·6	45·9	+ 3·2	5	0·75	19	+ 8	Leith	—	—	—	1	30	—	—	—	—
	p Edinburgh	441	53	3rd	38	1-4	47·3	40·0	43·8	+ 3·1	6	0·75	17	+ 5	Edinburgh	2·3	+ 0·8	31	0	34	—	—	—	—
	a West Linton	789	51	2nd	30	3rd	45·7	35·9	41·0	+ 4·5	5	0·94	24	—	West Linton	1·0	—	14	5	22	—	—	—	—
	p Marchmont	198	51	4th	33	2nd	47·3	36·6	42 2	+ 3·0	5	1·47	37	+ 21	Marchmont	1·6	+ 0·4	22	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
	a Ford (Argyll)	149	49	30th	36	4th	46·8	38·5	42·8	—	5	2·67	68	—	Ford (Argyll)	—	—	—	1	30	43·7	—	47·3	—
	p Glasgow Observatory	180	51	3rd	39	1, 3	48·1	41·6	45·0	+ 3·7	5	1·16	30	+ 9	Glasgow	1·0	+ 0·4	13	0	31	—	—	—	—
	a Renfrew	49	52	3rd	35	2nd	48·6	39·7	44·3	—	6	1·26	32	—	Renfrew	1·6	—	21	3	30	—	—	—	—
	p Rothesay	200	51	4th	35	4th	48 4	38·4	43·6	+ 1·3	6	2·78	71	+ 43	Rothesay	1·5	—	20	1	30	43·9	—	47·0	+1·7
	a Kilmarnock	90	53	2nd	37	1st	48·4	39·4	44·1	+ 3·7	5	1·19	30	+ 9	Kilmarnock	1·6	—	21	—	—	43·7	—	47·5	—
	a Colmoneil	170	55	2nd	36	3rd	49·9	39·9	45·1	+ 3 0	6	3·17	81	+ 52	Colmoneil	—	—	—	0	32	—	—	—	—
	p Dumfries	160	53	3rd	35	1st	48·6	39·3	44·1	+ 3 3	6	1·11	28	+ 8	Dumfries	1·6	—	21	1	28	43·5	+3·8	46·1	+1·8
	a Eskdalemuir	794	51	3rd	33	2nd	46·6	37·7	42 3	—	6	1·39	35	—	Eskdalemuir	1·7	—	22	1	30	—	—	—	—
b, I. OF MAN	p Douglas	284	54	3rd	40	1st	50·0	41·9	46·1	+ 2·4	6	2·62	67	+ 40	Douglas	1·5	0·0	19	0	33	—	—	—	—
2. ENGLAND, N.E.																							
a, North	a Alnwick Castle	210	51	3rd	35	2nd	47·8	41·0	44·5	+ 3·7	6	2·30	59	+ 39									
	a Tynemouth	118	52	3rd	39	2nd	47·7	42·9	45·4	+ 3 9	6	0·87	22	+ 7	Cockle Park	1·0	- 0·7	13	1	28	42·4	+4·2	44·5	+1·6
	p Durham	336	50	3rd	34	1st	46·6	39·0	43·0	+ 2·9	6	0·96	25	+ 11	Durham	0·9	- 0·6	11	1	28	—	—	—	—
	p Rounton	249	52	3rd	35	1st	48·0	40·6	44·5	+ 4 5	7	1·36	35	+ 20	Rounton	—	—	—	2	26	43·7	—	—	—
	a West Witton	805	54	2, 3	37	2nd	47·9	39·7	44·0	—	6	1·24	31	—	West Witton	—	—	—	1	29	41·4	—	44·9	—
	p Scarborough	118	54	3rd	38	1, 2	49·1	41·1	45·3	+ 3·2	6	1·07	27	+ 11	Scarborough†	0·5	- 0·7	7	—	—	—	—	46·6	—
	p York	96	54	3rd	37	2nd	47·9	41·4	44·8	+ 3·7	7	0·75	19	+ 4	York	0·3	- 0·7	4	—	—	45·0	+2·7	47·8	+1·0
b, South	a Spurn Head	26	49	28, 3	37	2nd	47·1	40·6	44·0	+ 1·6	6	0·30	8	- 5	Spurn Head	—	—	—	—	—	—	—	—	—
	a Lincoln	68	55	2nd	36	1, 2	48·9	40·1	44 7	+ 3·9	7	0·34	9	- 5	Lincoln	—	—	—	0	32	43·3	+3·1	46·6	+0·3
	a Fulbeck	180	56	3rd	35	2nd	48·7	39·9	44·5	+ 3·6	7	0·46	12	- 3	Fulbeck	1·5	0·0	19	—	—	—	—	—	—
															Skegness	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
	p Cromer	196	—	—	—	—	—	—	—	6	0·68	17	+ 4	Cromer	1·7	+ 0·1	21	—	—	—	—	—	—
	a Little Massingham	177	54	3rd	33	1st	48·9	37·4	43·4	+ 3·0	7	0·63	16	- 1	Lit. Massingham	1·5	+ 0·1	18	—	—	—	—	—	—
	a Yarmouth	13	55	3rd	38	2nd	49·3	42·6	46·1	+ 4·3	6	0·67	17	+ 2	Yarmouth	0·2	—	3	0	34	46·4	+4·5	48·0	+0·7
	a Norwich	80	55	3rd	35	2nd	49·7	40·7	45·4	+ 4·5	7	0 79	20	+ 4	Norwich	1·2	—	14	2	27	41·1	—	—	—
	a Geldeston	37	56	3rd	35	1st	50·9	39·9	45·6	+ 3·9	7	0·68	17	+ 2	Geldeston	1·0	- 0·6	12	—	—	—	—	—	—
	p Cambridge	41	57	3rd	33	1, 2	49·6	40·1	45·0	+ 4·0	7	0·29	7	- 5	Cambridge	1·6	+ 0 1	19	2	25	44·0	+1·9	47·1	- 0 3
	a Clacton-on-Sea	54	54	3rd	39	2nd	49·4	42·9	46·3	+ 4·4	7	0·88	22	+ 10	Clacton	1·3	- 0·4	16	0	37	46·3	+1·8	49·2	+0·6
	a Rothamsted	419	54	3rd	33	1st	49·0	38·4	43·9	+ 3·1	7	0·93	23	+ 6	Rothamsted	1·4	- 0·1	18	3	23	43·3	—	—	—
	p Tottenham	51	58	3rd	39	1st	51·1	42·6	47·0	—	6	0·54	14	—	Tottenham	0·2	—	3	0	37	—	—	48·0	- 0·7
															S'thend-on-Sea	1·1	—	13	0	36	45·8	+2·9	—	—
4. MIDLAND COUNTIES.																							
a, North	a Harrogate	179	53	2, 3	35	1st	47·6	39·4	43·7	+ 3·7	6	1·28	33	+ 16	Harrogate	0·5	- 1·0	6	1	30	43·7	+2·5	45·5	+1·5
	p Sheffield	429	55	3rd	38	1st	48·1	41·4	44 9	—	7	0·91	23	—	Sheffield	0·7	- 0·6	9	0	32	43·5	+2·2	46·1	- 0·4
	p Buxton	987	48	3rd	36	1st	44·7	38·9	41·9	+ 3·3	7	1 08	28	- 4	Buxton	0·8	—	11	0	31	42 1	+2 9	45·7	+0·4
b, East	a Worksop	56	56	2, 3	37	1, 2	50·0	40·4	45·4	+ 4·5	7	0 68	17	+ 4	Worksop	0·8	- 0·3	11	2	27	43·9	—	46·3	—
	a Nottingham	82	57	3rd	36	1, 2	50·3	39·7	45·2	+ 4·2	7	0·59	15	+ 2	Nottingham	0 8	- 0·3	10	1	30	43·2	+3·2	45·3	+0·6
	p Birmingham, Edgbas.	125	54	3rd	38	29, 1	48·3	40·6	44·6	+ 3·5	4	0·69	18	+ 3	Birmingham	1·6	+ 0·6	20	0	32	44 6	+2·2	47·8	+0·2
	a Raunds	203	56	3rd	33	1st	50·4	38·9	44 9	+ 4·7	6	0·41	10	- 4	Raunds	1·6	—	20	1	28	43·8	—	—	—
	p Oxford	208	56	3rd	38	29, 1	49 7	41·4	45 7	+ 4·0	6	0 84	21	+ 7	Oxford	1·5	- 0·1	19	1	30	—	—	—	—
															Malvern	1 9	—	24	1	29	44·2	—	47·2	—
c, West	a Cheadle (N. Staffs.)	646	53	2nd	34	1st	48·1	38·3	43·4	+ 3·5	5	0·71	18	- 1	Cheadle	—	—	—	0	32	—	—	—	—
	p Tenbury	313	57	3rd	34	30th	50·6	38·7	44·9	+ 3·4	5	0·79	20	+ 7	Tenbury	—	—	—	3	29	44·3	—	—	—
	a Hereford	291	54	2nd	35	29th	49·6	38·1	44·1	+ 2·8	6	1·00	25	+ 9	Ross-on-Wye	1·8	—	22	2	29	45·1	—	48·4	—
	a Clifton	235	55	2, 3	38	29th	51·7	43·7	47·9	+ 4·9	5	1·26	32	+ 11	Clifton	1·8	—	23	—	—	—	—	—	—
5. ENGLAND, S.E.																							
	a Marlborough	424	55	2, 3	31	29th	50·6	38·1	44 6	+ 4·1	5	1·14	29	+ 11	Worthing	0·7	- 1·2	8	1	30	46·6	+2·7	49·0	0·0
	p Wilton Ho.*	180	56	3rd	33	29, 1	51·4	39·9	45·9	+ 4·6	4	1·43	36	+ 15	Marlborough	1·4	+ 0·2	17	2	26	45·3	—	48·8	—
	a Wisley, Surrey	150	56	3rd	36	29th	51·4	41·0	46·4	+ 4·8	7	0·76	19	+ 6	Wilton Ho.	—	—	—	2	27	44·9	—	—	—
	a Tunbridge Wells	354	54	2, 3	35	1st	50·9	40 7	46·0	+ 4 1	7	1·05	27	+ 8	Wisley	0·9	- 0·5	11	3	26	45·0	+2·4	47·3	0·0
	a Margate	61	56	3rd	40	1, 2	52·3	43·0	47·8	+ 4·4	7	0·59	15	+ 2	Tunbridge Wells	0·8	- 0·8	10	1	26	45·7	+4·2	48·1	—
															Margate	0·6	- 0·8	7	0	36	46·0	+1·1	48·7	+0·9
	a Dungeness	21	54	30, 2, 3	41	1, 3	53·3	43·9	48.8	+ 5·1	6	1·18	30	+ 15	Folkestone	0·6	—	7	—	—	—	—	49·9	—
	p St. Leonards	178	54	3rd	38	1st	51·6	43·0	47·5	+ 3·7	7	1·65	42	+ 25	St. Leonards	0·9	- 1·0	11	1	30	46·3	—	48·9	—
	p Southampton	64	55	3rd	35	29, 1	51·7	40·4	46·3	+ 2·7	5	1·13	29	+ 10	Southampton	1·4	- 0·3	17	3	25	—	—	—	—
	a Ventnor	59	55	2, 3	42	4th	52·9	45·6	49·4	+ 3·7	6	0·87	22	+ 4	Ventnor	1·2	- 0·6	15	—	—	—	—	—	—
LONDON.	a Richmond Kew Obs.)	18	55	3rd	38	2nd	51·2	41·4	46·5	+ 4 3	7	0·56	14	+ 2	Richmond	1·1	- 0·2	14	2	28	43·0	+0·6	46·8	-1·0
	a Westminster	27	57	3rd	38	1st	52 4	41·4	47·1	+ 3·8	5	0·42	11	- 1	Westminster	0·6	0·0	8	1	30	—	—	—	—
	ag Greenwich	149	57	3rd	37	1st	51·7	40·6	46·4	+ 3·8	7	0·46	12	- 1	Greenwich	1·2	0·0	15	1	30	—	—	—	—
	a Hampstead	460	54	3rd	37	1st	48·9	40·7	45·0	—	7	0·55	14	—	Hampstead	0·9	—	11	0	31	—	—	—	—
	ag Camden Square	110	55	2, 3	38	1st	51·3	41·7	46·7	+ 4·4	6	0·60	15	+ 2	Camden Square	—	—	—	0	32	—	—	—	—
7. a. ENGLAND, N.W.																							
	p Aspatria (Mealsgate)	487	54	3rd	36	3rd	48·6	39·7	44·3	+ 3·5	6	0·87	22	- 5	Aspatria	1·7	+ 0·3	22	0	34	44·4	+3·0	46·9	+0·3
	p Newton Rigg	559	—	—	—	—	—	—	—	7	0·97	25	+ 1	Newton Rigg	1·1	- 0·2	14	—	—	—	—	—	—
	p Stonyhurst	375	54	2nd	39	1st	49·3	42·3	45·9	+ 4·9	6	0·57	15	- 14	Stonyhurst	1·2	+ 0·1	16	0	32	—	—	—	—
	a Blackpool	60	54	2nd	41	1, 2	49·1	42·3	45·8	+ 3 7	5	0·93	24	+ 3	Blackpool	1·3	0·0	17	0	34	45·4	—	48·2	—
	a Southport	37	55	2nd	39	1st	49·1	42·4	45·9	+ 3·8	5	0·59	15	- 5	Southport	1·5	+ 0 1	19	0	35	43·0	+3·1	45·6	+1·0
															Hoylake	1·6	+ 0 1	20	—	—	—	—	—	—
	a Liverpool (Bidston)	188	55	2, 3	40	1st	50·3	42·7	46·7	+ 3·9	5	0·39	10	- 6	Liverpool	1·5	—	19	0	34	—	—	—	—
	a Hawarden Bridge	22	57	2nd	40	1st	50·7	42·0	46·5	+ 3·2	4	0·39	10	- 4	Manchester (City)	0·5	+ 0·2	7	0	36	43·6	+2·8	47·2	+0·1
	p Manchester (Whit. Pk.)	128	56	3rd	38	1st	49·9	43·0	46·6	+ 4·5	7	0·56	14	- 4	Whitworth Park	0·4	- 0·1	6	—	—	—	—	—	—
c. NORTH WALES.																							
	p Llandudno	22	55	3rd	41	1, 2	51·4	43·4	47·6	+ 3·0	6	0·87	22	+ 2	Llandudno	1·4	- 0·1	18	—	—	—	—	—	—
	a Holyhead	10	55	2, 3	43	29, 3	52·1	44·3	48·4	+ 3 3	6	1·11	28	+ 2	Holyhead	0·7	—	9	0	35	—	—	—	—
	a Aberdovey	60	54	30, 2	41	29th	51·1	44·4	47·9	—	5	0·93	24	—	Aberdovey	1·2	+ 0·4	15	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.			STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts.	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. a. SOUTH WALES.																						
a Aberystwyth	16	53	30th	40	29th	50·7	43·0	47·0	—	6	0·76	19	—	Aberystwyth ..	1·1	- 0·4	14	—	—	—	—	—	—
a Rhayader	767	53	2nd	32	30th	48·4	38·4	43·6	—	5	1·29	33	—	Rhayader ..	1·7	—	20	2	29	—	—	—	—
a St. Ann's Head	149	54	2nd	42	3rd	52·4	44·7	48·7	+ 2·9	6	1·11	28	+ 4	St. Ann's Head ..	1·3	- 0·4	16	—	—	—	—	—	—
p Cardiff	202	55	3rd	38	29th	50·6	41·4	46·2	+ 4·1	5	1·86	47	+ 21	Cardiff	2·0	—	25	1	29	44·7	+ 2·0	48·6	+ 0·9
c. ENGLAND, S.W.																						
a Bath	66	57	2nd	35	29th	52·0	41·0	46·7	+ 4·5	5	1·05	27	+ 9	Bath	2·0	+ 0·3	24	—	—	46·1	+ 2·1	49·3	+ 0·3
a Shaftesbury	723	53	3rd	35	29th	49·7	38·9	44·5	+ 3·2	5	1·10	28	+ 9	Shaftesbury ..	—	—	—	—	—	45·7	—	48·4	—
a Arlington	613	55	2nd	35	29th	50·0	41·3	45·8	+ 3·4	6	1·49	38	+ 3										
a Newquay	190	56	2nd	40	29th	52·4	43·6	48·2	+ 1·7	6	1·24	32	+ 9	Newquay ..	1·7	- 0·3	20	—	—	49·3	—	51·8	—
a Cullompton	202	57	2nd	33	29th	52·1	40·0	46·3	+ 3·7	5	1·49	38	+ 16	Cullompton ..	2·0	+ 0·5	24	3	27	47·0	—	—	—
a Portland Bill	19	58	1st	45	29, 1	54·1	47·1	50·7	+ 4·5	5	1·18	30	+ 14	Weymouth ..	2·1	—	25	—	—	—	—	—	—
p Plymouth	116	56	3rd	36	29th	53·0	42·9	48·2	+ 2·9	6	1·32	34	+ 10	Plymouth ..	2·1	+ 0·3	25	0	31	48·0	+ 2·3	51·1	—
a Falmouth	167	55	2,3	38	29th	53·1	43·9	48·7	+ 2·5	6	1·92	49	+ 18	Falmouth ..	2·2	+ 0·2	26	0	32	49·3	—	52·3	—
9. IRELAND, N.																						
a West .. a Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a West .. a Blacksod Point ..	10	54	29th	38	28th	52·3	42·0	47·4	+ 2·5	7	2·90	74	+ 43	Mallarany ..	—	—	—	1	27	—	—	—	—
a West .. a Mallarany ..	120	54	2nd	34	28th	51·0	39·4	45·4	—	—	—	—	—	Markree Castle	1·9	+0·6	24	2	23	45·0	+ 1·5	49·6	+ 1·3
p West .. p Markree Castle ..	122	56	3rd	27	29th	49·7	35·0	42·6	+ 0·9	6	1·93	49	+ 24										
b. East .. p Armagh	204	55	3rd	30	4th	48·4	37·4	43·1	+ 1·5	5	0·96	24	+ 8	Armagh	2·4	+ 1·0	31	0	34	45·3	+ 2·9	48·5	+ 1·7
b. East .. a Donaghadee ..	35	54	2, 3	38	1, 2	51·0	41·1	46·3	+ 3·2	5	1·89	48	+ 31										
10. IRELAND, S.																						
p Dublin, City	54	58	3rd	37	29th	50·9	40·7	46·0	+ 2·2	6	0·73	19	+ 5	Trinity Coll. ..	1·7	—	22	0	33	46·4	+ 3·0	49·3	+ 2·2
a Birr Castle	175	56	2nd	30	1st	49·3	36·4	43·1	+ 1·5	5	0·99	25	+ 8	Phœnix Park ..	2·2	+ 0·5	28	2	28	—	—	—	—
a Kilkenny	195	57	2nd	28	29th	51·0	35·3	43 5	+ 1·5	6	0·95	24	+ 6	Dublin City ..	—	—	—	0	31	—	—	—	—
a Waterford	137	55	2nd	31	29th	51·3	39·0	45·4	+ 2·2	5	1·58	40	+ 18	Birr Castle ..	2·2	+ 0·7	28	2	22	—	—	—	—
p Seskin, Carrick-on-Suir	542	55	3rd	34	28th	49·0	38·3	43·9	—	6	2·03	52	—	Seskin	2·2	—	28	1	30	—	—	—	—
a Cahir	198	56	3rd	28	29th	51·4	37·3	44·6	+ 2·3	7	1·61	41	—										
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
a Cahirciveen (Val. Obs.)	30	57	2nd	41	28th	53·3	44 9	49·3	+ 2·9	6	3·39	86	+ 53	Cahirciveen ..	0·8	- 0·7	10	0	36	—	—	—	—
a Killarney	174	57	2nd	39	29th	51·9	42·5	47·4	+ 3·0	7	3·01	76	+ 41	Ballinacurra ..	2·0	+ 0·5	25	—	—	—	—	—	—
a Roche's Point	32	55	29th	37	29th	51·4	42 9	47·3	+ 1·7	7	1·93	49	+ 23										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	55	2nd	47	29, 1	53·0	48·6	50·9	+ 2·7	6	0·95	24	+ 1	Scilly	2·3	+ 0·4	27	—	—	—	—	—	—
a Jersey, St. Aubins ..	26	57	3rd	43	29th	54·3	47·1	51·8	+ 4·1	7	1·02	26	+ 1	St. Heliers ..	1·3	- 0·6	16	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	55	2, 3	44	29th	53·6	46·7	50·3	+ 3·6	7	1·10	28	+ 1	Guernsey† ..	1·9	+ 0·2	23	0	33	49·1	+ 1·6	51·6	+ 0·3

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 4th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	More than 17 m/s or 39 mi/hr. Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	11 to 17 m/s. 25 to 38 mi/hr. Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	6	—	0	27 to 3	66	79	23	0	0	140	17	30	24	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	3	4	38	72	41	13	310?	11	3	17	33	3	20	25
Aberdeen (Cup Anr.)¶ ..	120	72	12	3	2	3	9	44	84	29	0	320	18	3	18	—	—	—	—
Edinburgh	485	39	51	—	0	3, 4	20	55	67	26	0	290	17	3	13	25	3	13	15
6. SCOTLAND, W.																			
Eskdalemuir	825	60	22	3	4	3, 4	27	47	76	14	0	320	22	3	13	32	3	15	15
Paisley	188	81	15	—	0	3	11	26	87	44	0	320	17	3	12	30	3	12	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	3, 4	28	25	49	66	0	320	15	3	23	31	3	23	5
South Shields	72	61	12	—	0	3, 4‡	28	29	56	55	0	280	17	3	14	28	3	13	15
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	4	2	28, 30, 3, 4	38	62	62	4	0	360	18	4	14	28	4	13	5
Shoeburyness	103	90	‡	—	0	30, 2, 3, 4	48	52	40	13	15	—	17	4	{11 / 12}	27	4	12	30
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	3, 4	24	64	65	15	0	330	14	4	14	22	4	13	50
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	2, 3	5	85	34	44	0	—	14	2	6	23	2	7	20
S. Farnboro' (Pyestk Tr)	443	152	†	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	—	0	28 to 4	43	61	27	0	37	350	17	4	15	22	4	13	10
Richmond (Kew Obs.)..	82	65	22	—	0	3, 4	8	47	55	28	0	350	11	4	16	20	4	13	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	3, 4	21	30, 1, 3, 4	27	50	55	13		280	29	3	14	—	—	—	—
Southport	80	62	48	3, 4	22	30, 1, 3, 4	25	50	67	4	0	280	25	3	15	37	3	15	10
Holyhead	60	40	‡	3, 4	23	28 to 4	55	58	31	1	0	280	24	3	13	32	3	12	0
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	28 to 1, 3	16	28 to 4	80	41	25	6	0	230	23	3	5	36	30	13	20
Plymouth	185	88	2	30, 1	8	28 to 4	44	77	37	2	0	—	21	1	?	29	1	22	15
Lyme Regis	556	61	‡	2	1	1 to 4	13	68	40	46	0	—	20	2	2	26	2	2	10
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	3	7	23 to 31, 2, 3	42	72	43	4	0	240	23	3	7	—	—	—	—
Quilty	100	40	‡	3	9	28 to 30, 2 to 4	50	72	34	3	0	—	19	3	10	29	3	9	50
Cahirciveen (Val Obs.)	98	41	‡	2	1	29, 30, 2 to 4	48	76	38	5	0	290	17	2	23	29	2	19	55
Weaver Pt.	160	30	‡	30, 3	4	29 to 4	56	70	33	5	0	—	21	30	11	30	30	11	5
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	28, 1, 3	11	28 to 4	62	58	30	7	0	300	18	3	23	25	30	18	5

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.] * Above tops of trees
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ** For Deerness the week ends at midnight on Friday.
¶ Tube Anemograph out of action since Feb. 5th, 1920.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-EIGHTH WEEK of 1920—November 28th to December 4th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	51	27	81·3	76·8	79·2	+ 1·6	21	+ 9	9	−15	6	+ 1	1·52	38	− 1	0·6	−0·3	9	1010
Eastern.																			
1. SCOTLAND, EAST ...	53	29	80·9	76·4	78·8	+ 1·6	19	+ 7	11	−19	5	+ 1	1·30	33	+ 16	1·7	+0·4	23	1010
2. ENGLAND, N.E.	55	34	81·9	77·8	79·9	+ 1·7	23	+ 8	4	−16	6	+ 2	0·93	24	+ 9	0·8	−0·6	11	1011
3. ENGLAND, EAST ...	57	33	82·8	77·8	80·4	+ 2·2	29	+ 12	4	−17	7	+ 3	0·68	17	+ 2	1·1	−0·4	14	1014
4. MIDLAND COUNTIES ...	57	33	82·8	77·4	80·2	+ 2·3	30	+ 14	6	−18	6	+ 2	0·83	21	+ 4	1·2	−0·2	15	1014
5. ENGLAND, S.E.	56	31	83·9	78·4	81·3	+ 2·2	36	+ 14	1	−14	6	+ 2	1·03	26	+ 8	1·0	−0·6	12	1015
Western.																			
6. SCOTLAND, WEST ...	55	35	82·2	77·4	79·9	+ 1·3	26	+ 9	6	−12	6	+ 1	2·10	54	+ 24	1·2	+0·1	16	1011
7. ENGLAND, N.W.	57	36	83·1	78·8	81·1	+ 2·3	32	+ 13	0	−14	6	+ 1	0·72	18	− 6	1·4	+0·1	18	1012
8. ENGLAND, S.W.	58	32	83·8	78·6	81·3	+ 1·7	34	+ 9	0	−12	5	0	1·38	35	+ 9	1·8	+0·1	21	1015
9. IRELAND, NORTH ...	56	27	83·1	76·6	79·9	+ 1·0	33	+ 13	10	− 5	6	+ 1	1·73	44	+ 22	2·1	+0·8	27	1010
10. IRELAND, SOUTH ...	58	28	83·7	77·4	80·7	+ 1·1	36	+ 9	6	− 7	6	+ 1	1·77	45	+ 21	1·8	+0·2	23	1014
11. ENGLISH CHANNEL ...	57	43	85·0	81·6	83·4	+ 1·8	61	+ 21	0	− 2	7	+ 2	1·02	26	+ 1	1·9	0·0	22	1017

THE SEASON (Winter).—Aggregates, &c., for the Period of 1 Week, November 28th to December 4th, 1920.

0. SCOTLAND, NORTH ...	51	27	81·3	76·8	79·2	+ 1·6	21	+ 9	9	−15	6	+ 1	1·52	38	− 1	0·6	−0·3	9	1010
Eastern.																			
1. SCOTLAND, EAST ...	53	29	80·9	76·4	78·8	+ 1·6	19	+ 7	11	−19	5	+ 1	1·30	33	+ 16	1·7	+0·4	23	1010
2. ENGLAND, N.E.	55	34	81·9	77·8	79·9	+ 1·7	23	+ 8	4	−16	6	+ 2	0·93	24	+ 9	0·8	−0·6	11	1011
3. ENGLAND, EAST ...	57	33	82·8	77·8	80·4	+ 2·2	29	+ 12	4	−17	7	+ 3	0·68	17	+ 2	1·1	−0·4	14	1014
4. MIDLAND COUNTIES ...	57	33	82·8	77·4	80·2	+ 2·3	30	+ 14	6	−18	6	+ 2	0·83	21	+ 4	1·2	−0·2	15	1014
5. ENGLAND, S.E.	56	31	83·9	78·4	81·3	+ 2·2	36	+ 14	1	−14	6	+ 2	1·03	26	+ 8	1·0	−0·6	12	1015
Western.																			
6. SCOTLAND, WEST ...	55	35	82·2	77·4	79·9	+ 1·3	26	+ 9	6	−12	6	+ 1	2·10	54	+ 24	1·2	+0·1	16	1011
7. ENGLAND, N.W.	57	36	83·1	78·8	81·1	+ 2·3	32	+ 13	0	−14	6	+ 1	0·72	18	− 6	1·4	+0·1	18	1012
8. ENGLAND, S.W.	58	32	83·8	78·6	81·3	+ 1·7	34	+ 9	0	−12	5	0	1·38	35	+ 9	1·8	+0·1	21	1015
9. IRELAND, NORTH ...	56	27	83·1	76·6	79·9	+ 1·0	33	+ 13	10	− 5	6	+ 1	1·73	44	+ 22	2·1	+0·8	27	1010
10. IRELAND, SOUTH ...	58	28	83·7	77·4	80·7	+ 1·1	36	+ 9	6	− 7	6	+ 1	1·77	45	+ 21	1·8	+0·2	23	1014
11. ENGLISH CHANNEL ...	57	43	85·0	81·6	83·4	+ 1·8	61	+ 21	0	−2	7	+ 2	1·02	26	+ 1	1·9	0·0	22	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 48 Weeks, January 4th to December 4th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·6	78·3	81·3	+ 0·4	2149	+ 76	429	−228	211	−13	51·56	1310	+149	3·6	+0·3	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	15	85·1	77·8	81·3	+ 0·3	2233	− 61	554	−214	190	0	29·67	752	+ 34	3·9	0·0	31	1011
2. ENGLAND, N.E.	79	20	86·3	79·1	82·6	+ 0·6	9822	+173	340	−217	172	0	23·62	602	+ 23	3·8	−0·4	30	1014
3. ENGLAND, EAST ...	84	19	87·4	79·4	83·2	+ 0·6	3232	+184	382	−201	157	−10	19·02	486	− 67	4·6	0·0	35	1016
4. MIDLAND COUNTIES ...	82	19	87·1	79·1	82·9	+ 0·6	2977	+ 43	358	−281	181	+15	28·27	719	+103	3·4	−0·7	27	1015
5. ENGLAND, S.E.	81	17	87·6	80·1	83·7	+ 0·5	3400	+135	213	−230	157	− 6	24·11	616	− 12	4·3	−0·5	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	21	85·6	79·3	82·3	+ 0·4	2610	+ 69	301	−204	220	+21	48·35	1229	+158	3·3	−0·7	26	1012
7. ENGLAND, N.W.	81	22	86·1	80·0	82·9	+ 0·5	2917	+141	219	−227	196	+13	36·43	926	+114	3·6	−0·5	28	1014
8. ENGLAND, S.W.	78	17	86·8	80·4	83·5	+ 0·4	3153	+ 55	152	−200	188	+ 5	37·05	940	+ 61	3·8	−0·7	31	1015
9. IRELAND, NORTH ...	77	23	86·0	79·5	82·6	+ 0·4	2784	+133	253	−158	235	+17	38·62	981	+103	3·3	−0·4	26	1011
10. IRELAND, SOUTH ...	78	22	86·8	80·3	83·5	+ 0·4	3145	+ 76	153	−166	224	+30	41·43	1052	+141	3·6	−0·6	28	1014
11. ENGLISH CHANNEL ...	75	29	87·4	82·5	84·9	+ 0·5	3847	+169	20	− 90	165	−25	26·80	679	− 61	4·9	−0·5	39	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches	mm.	mm.	hr	hr.	%	m.b.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
10th December 1920.

METEOROLOGICAL OFFICE
29 DEC 1920
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WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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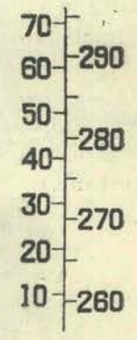
FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 49

FORTY-NINTH WEEK.

SUNDAY, DECEMBER 5TH TO SATURDAY, DECEMBER 11TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]



Temperature Scales.

Barometric pressure was persistently high over Scandinavia during the week and generally speaking the weather over the British Isles, which was dominated by that system, was mostly dry and cold, but with a good deal of fog. At the close of the period, however, a shallow depression was developed over the English Channel, and during Saturday night the first considerable snowfall of the season occurred. In Guernsey there was a fall of 11mm. and at Clacton-on-Sea, where the fall appears to have been heaviest, the yield of water on Sunday morning was as much as 29mm. At most stations the maximum temperatures of Sunday were the highest of the week, and exceeded 281 a in all districts, at some places in Scotland N. and Scotland E. however, it did not exceed 278 a all the week, and at Balmoral and West Linton the thermometer did not go higher than 277 a. The lowest minima were recorded in Scotland E. on the 6th when 266 a was registered at Balmoral and West Linton. The mean for the week was everywhere below the normal, the divergence ranging from 0·6 a in Scotland N. to 2·3 a in England S.E. and England S.W. Precipitation was below the normal in all districts. At Ford (Argyleshire) on the 9th rain fell for 12 hours continuously from 7h. to 19h., the measurement being 45mm., but with this exception, and the heavy fall at Clacton already noticed, there was no instance of a large daily fall. Bright sunshine was generally in excess of the normal in the north and west, but in the eastern, midland and south-eastern counties of England there was a deficiency. The daily mean at Gordon Castle and Nairn was as much as 3½ hours, whereas in central London, Manchester (Whitworth Park) and Nottingham, the week was practically sunless and at several other places the records were very small. A solar halo was seen at Oxford on Friday.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	17	6·3	9	2·1	2	3·7	0	—	4	1·3	11	0·7	6	1·7	11	2·8
North	5	6·5	1	2·7	18	4·2	17	3·6	19	3·1	9	3·8	11	1·4	7	2·4
West	11	3·1	10	2·6	7	2·2	0	—	7	2·2	0	—	14	3·6	0	—
East	9	1·9	3	1·5	12	4·7	12	1·2	19	4·2	25	3·7	9	5·7	21	2·5
Calm	3	—	15	—	8	—	10	—	2	—	3	—	5	—	7	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Deficient	Moderate	Moderate	Moderate	Deficient	Deficient	Moderate	Deficient	Moderate	Deficient	Deficient
Rainfall ...	Very light	Light	Light	Moderate	Light	Light	Light	Very light	Very light	Very light	Very light	Light
Sunshine ...	Scanty	Very abundant	Moderate	Scanty	Moderate	Moderate	Moderate	Abundant	Moderate	Abundant	Moderate	Moderate

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 2 weeks from November 28th, 1920. Warmth ...	1, 1, 0	1, 0, 1	1, 1, 0	1, 1, 0	1, 1, 0	1, 0, 1	1, 0, 1	1, 1, 0	1, 0, 1	1, 1, 0	1, 0, 1	1, 0, 1
Rainfall ...	0, 1, 1	1, 0, 1	1, 0, 1	1, 1, 0	1, 0, 1	1, 0, 1	1, 0, 1	0, 1, 1	1, 0, 1	1, 0, 1	1, 0, 1	0, 1, 1
Sunshine ...	0, 1, 1	2, 0, 0	0, 1, 1	0, 0, 2	0, 2, 0	0, 1, 1	0, 2, 0	1, 1, 0	0, 2, 0	2, 0, 0	0, 2, 0	0, 2, 0

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31333—19) Wt. 24—561/T25 500 12/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	Rainfall. No. of days of Precipitation.	Rainfall in the Week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground. Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F
0. SCOTLAND, N.																						
a, Islands.. *a* Lerwick	54	47	5th	34	10th	45·1	40·4	42·8	+ 2·9	4	0·52	13	- 19									
p Deerness, Orkney ..	165	47	11th	35	9th	45·3	39·7	42·6	+ 2·8	4	0·30	8	- 21	Deerness ..	0·0	- 0·8	0	—	—	—	—	—
a Stornoway	31	48	10th	34	9th	46·1	40·0	43·2	+ 3·3	2	0·59	15	- 28	Stornoway ..	0·4	- 0·5	6	—	—	—	—	—
a Castlebay, Barra I. ..	27	50	5, 9	39	9th	48·1	42·6	45·5	—	3	0·83	21	—	Castlebay ..	0·3	—	4	—	—	—	—	—
b, Mainland. *a* Wick	81	45	10th	31	10th	43·9	35·6	39·9	+ 1·0	4	0·17	4	- 18									
a Strathpeffer	125	42	5th	22	7, 8	35·7	27·7	31·9	- 6·0	1	0·07	2	- 21									
p Glencarron	500	44	10th	25	7th	39·6	29·9	34·9	- 2·9	3	0·33	8	- 63									
a Fort Augustus.. ..	68	45	10th	24	8th	41·9	28·4	35·4	- 3·0	1	0·03	1	- 37									
p Fort William	171	44	8th	25	6th	40·0	31·1	35·7	- 3·9	3	0·39	10	- 57									
1. SCOTLAND, E.																						
a Nairn	82	41	5th	25	6, 8	37·4	28·9	33·3	- 4·8	4	0·04	1	- 17	Nairn	3·6	—	53	—	—	—	—	—
p Gordon Castle	101	44	5th	26	6th	41·7	30·1	36·1	- 3·0	0	0·00	0	- 21	Gordon Castle..	3·5	—	51	—	—	—	—	—
a Aberdeen	46	44	6th	31	6, 7, 10	41·6	33·1	37·5	- 1·5	3	0·10	3	- 22	Aberdeen ..	2·5	+ 1·1	36	5	25	—	—	45·5	- 3·5
a Balmoral	933	38	8, 9, 11	18	6th	36·1	26·4	31·4	- 3·9	5	0·18	5	- 22	Balmoral ..	—	—	—	6	16	—	—	—	—
p Crieff	432	45	5th	29	6, 7	39·0	31·6	35·5	- 2·6	3	0·26	7	- 18	Crathes	1·8	+ 0·4	26	7	21	38·5	0·0	43·6	+1·6
a Dundee	244	44	5th	28	9th	40·4	31·3	36·0	- 2·1	3	0·20	5	- 15	Dundee	1·6	—	23	7	21	39·1	—	—	—
a Leith	30	44	7th	30	9th	41·4	33·9	37·8	- 2·5	4	0·64	16	0	Leith	—	—	—	5	26	—	—	—	—
p Edinburgh	441	42	8, 9	32	8th	40·6	34·9	37·9	- 1·3	3	0·17	4	- 13	Edinburgh ..	1·3	- 0·3	18	4	22	—	—	—	—
a West Linton	769	39	9th	19	6th	37·3	26·1	31·9	- 3·2	3	0·38	10	—	West Linton ..	1·2	—	16	7	18	—	—	—	—
p Marchmont	498	44	6, 7	29	8, 9	41·6	31·6	36·8	- 0·8	4	0·16	4	- 18	Marchmont ..	1·2	- 0·1	17	—	—	—	—	—	—
6. *a*. SCOTLAND, W.																						
a Ford (Argyll)	149	46	5th	27	6th	43·0	33·3	38·3	—	7	2·04	52	—	Ford (Argyll) ..	—	—	—	5	18	39·9	—	46·0	—
p Glasgow Observatory	180	44	5th	30	6th	40·3	34·6	37·6	- 2·5	3	0·25	6	- 22	Glasgow	0·1	- 0·5	2	5	23	—	—	—	—
a Renfrew	49	42	8th	25	8th	39·0	29·7	34·5	—	3	0·27	7	—	Renfrew	0·4	—	5	5	16	—	—	—	—
p Rothesay	200	46	6th	34	5, 6	43·1	35·9	39·6	- 1·4	4	0·70	18	- 20	Rothesay	1·3	—	18	3	27	39·7	—	45·9	+1·2
a Kilmarnock	90	45	10th	26	6th	41·7	31·6	36·9	- 2·4	2	0·17	4	- 25	Kilmarnock ..	1·3	—	18	—	—	38·8	—	46·5	—
a Colmonell	170	46	5, 6	26	6th	43·1	34·4	38·9	- 2·1	2	0·18	4	- 35	Colmonell ..	—	—	—	4	20	—	—	—	—
p Dumfries	160	46	5th	26	8, 9	40·1	30·6	35·5	- 4·0	3	0·17	4	- 24	Dumfries	1·2	—	16	7	20	39·7	0·0	45·1	+1·5
a Eskdalemuir	794	43	5th	23	8, 9	38·7	28·7	33·9	—	4	0·19	5	—	Eskdalemuir ..	1·7	—	23	5	18	—	—	—	—
b, I. OF MAN *p* Douglas	284	46	5, 6, 8, 10	36	9th	45·3	38·9	42·2	- 0·4	4	0·11	3	- 32	Douglas	2·2	+ 0·8	29	1	29	—	—	—	—
2. ENGLAND, N.E																						
a North .. *a* Alnwick Castle ..	210	46	5th	29	11th	42·1	33·9	38·2	- 1·4	3	0·22	6	- 16									
a Tynemouth	118	48	5th	33	9th	43·1	38·1	40·7	+ 0·4	5	0·38	10	- 6	Cockle Park ..	1·4	- 0·2	19	5	23	38·6	+0·4	43·8	+1·5
p Durham	356	45	5th	29	8, 10, 11	41·0	32·4	36·9	- 2·0	5	0·44	11	- 4	Durham	1·5	+ 0·1	20	6	17	—	—	—	—
p Rounton	248	46	5th	28	10, 11	41·0	31·3	36·3	- 2·5	4	0·41	11	- 5	Rounton	—	—	—	6	19	40·8	—	—	—
a West Witton	606	43	5th	31	9, 11	39·7	34·4	37·2	—	5	0·40	10	—	West Witton ..	—	—	—	5	24	39·3	—	44·4	—
p Scarborough	118	47	5, 6	31	9th	45·1	37·0	41·2	+ 0·4	4	0·38	10	- 8	Scarborough† ..	1·4	+ 0·2	18	—	—	—	—	46·0	—
p York	66	46	5th	25	9th	41·6	33·0	37·5	- 2·3	5	0·21	5	- 11	York	1·3	+ 0·4	17	—	—	42·7	+1·0	47·1	+1·3
b, South .. *a* Spurn Head	26	46	5th	32	11th	42·9	36·0	39·6	- 1·5	5	0·40	10	- 5	Spurn Head ..	—	—	—	—	—	—	—	—	—
a Lincoln	68	45	5th	29	10th	40·6	35·6	38·2	- 1·2	5	0·35	9	- 7	Lincoln	—	—	—	3	28	41·5	+1·4	46·3	+0·8
a Fulbeck	180	44	5th	28	9, 10	38·7	33·1	36·0	- 3·5	7	0·33	8	- 9	Fulbeck	0·6	- 0·8	8	4	22	—	—	—	—
														Skegness	1·2	- 0·5	16	—	—	—	—	—	—
3. ENGLAND, E.																						
p Cromer	196	46	5th	27	8, 9	43·1	33·0	38·3	- 2·7	7	0·38	19	- 4	Cromer	1·4	- 0·1	18	—	—	—	—	—	—
a Little Massingham ..	277	45	5th	25	9th	40·6	32·4	36·7	- 2·9	5	0·62	16	- 3	Lit. Massingham	0·7	- 0·6	9	—	—	—	—	—	—
a Yarmouth	13	47	5th	27	9th	41·9	34·9	38·5	- 2·3	5	0·43	11	- 6	Yarmouth ..	0·8	—	11	2	27	44·4	+2·5	47·9	+1·2
a Norwich	93	46	5th	26	9th	40·6	34·0	37·4	- 2·7	7	0·81	21	+ 3	Norwich	0·8	—	10	4	24	38·5	—	—	—
a Geldeston	37	47	5th	24	9th	40·9	32·3	36·8	- 4·0	5	0·89	23	+ 7	Geldeston	0·9	- 0·6	11	—	—	—	—	—	—
p Cambridge	41	46	5th	25	9th	39·7	33·1	36·5	- 3·6	4	0·11	3	- 11	Cambridge	0·3	- 1·1	3	3	22	42·1	+0·2	47·2	+0·5
a Clacton-on-Sea ..	54	46	5th	29	9, 10	40·3	35·0	37·8	- 3·1	5	1·35	34	+ 21	Clacton	1·0	- 0·6	13	4	27	42·5	-1·6	48·7	+0·6
a Rothamsted	420	44	5th	26	9th	38·4	33·0	35·8	- 4·2	7	0·22	6	- 13	Rothamsted ..	0·8	- 0·7	10	5	21	40·9	—	—	—
p Tottenham	51	46	5th	29	9th	40·4	35·1	37·9	—	4	0·35	9	—	Tottenham ..	0·4	—	5	1	29	—	—	47·5	-0·5
														S'thend-on-Sea	0·8	—	10	3	33	42·9	-0·3	—	—
4. MIDLAND COUNTIES.																						
a North .. *a* Harrogate	479	44	5th	31	9, 11	39·9	34·0	37·1	- 1·8	2	0·13	3	- 16	Harrogate ..	1·6	+ 0·2	19	4	24	41·1	+0·3	44·6	+1·4
p Sheffield	439	44	5, 9	32	11th	41·9	35·9	39·0	—	2	0·15	4	—	Sheffield.. ..	1·3	0·0	16	3	27	40·4	-0·5	45·6	-0·1
p Buxton	987	41	5, 9	28	11th	38·9	32·0	35·6	- 1·9	3	0·20	5	- 30	Buxton	1·2	—	16	4	25	38·5	-0·8	45·2	+0·5
b, East .. *a* Worksop	56	46	5th	25	9th	41·7	32·1	37·1	- 2·7	4	0·34	9	- 6	Worksop	0·9	- 0·1	12	6	20	40·8	—	45·7	—
a Nottingham	82	44	5th	30	9th	40·3	35·1	37·8	- 2·2	3	0·09	2	- 13	Nottingham ..	0·0	- 1·0	0	4	25	38·8	-1·5	44·4	+0·5
p Birmingham, Edgbn.	525	44	5th	29	10th	40·6	34·3	37·6	- 2·4	2	0·04	1	- 16	Birmingham ..	1·0	0·0	13	5	18	41·3	-1·1	47·4	+0·4
a Raunds	203	44	5th	25	9th	40·1	32·6	36·5	- 2·6	3	0·10	3	- 12	Raunds	1·3	—	16	4	22	41·4	—	—	—
p Oxford	208	45	5th	26	10th	39·9	32·1	36·2	- 4·5	4	0·06	2	- 14	Oxford	1·5	+ 1·0	18	5	22	—	—	—	—
														Malvern	1·4	—	18	4	26	40·6	—	46·5	—
a Cheadle (N. Staffs.) ..	646	43	5th	28	9th	40·1	33·9	37·1	- 1·7	2	0·07	2	- 19	Cheadle	—	—	—	3	27	—	—	—	—
c, West .. *p* Tenbury	313	44	5, 9	27	10th	40·1	32·3	36·4	- 4·2	1	0·03	1	- 13	Tenbury	—	—	—	5	22	41·1	—	—	—
a Hereford	291	47	11th	28	10th	42·0	32·8	37·6	- 2·8	3	0·05	1	- 17	Ross-on-Wye ..	0·7	—	9	4	23	41·1	—	47·6	—
a Clifton	225	45	5th	29	10th	40·9	35·3	38·2	- 3·8	0	0·00	0	- 24	Clifton	0·9	—	11	3	26	—	—	—	—
5. ENGLAND, S.E.																						
a Marlborough	424	44	5th	25	10th	39·6	31·7	35·8	- 4·1	3	0·05	1	- 24	Worthing	2·1	+ 0·3	26	3	26	41·8	-2·5	48·7	+0·3
p Wilton Ho.*	180	47	5th	27	11th	41·6	32·3	37·1	- 3·5	2	0·03	1	- 29	Marlborough ..	0·6	- 0·6	7	4	19	42·1	—	48·3	—
a Wisley, Surrey ..	150	46	5th	27	10th	38·7	33·1	36·9	- 5·0	4	0·19	5	- 13	Wilton Ho. ..	—	—	—	4	24	41·8	—	—	—
a Tunbridge Wells ..	354	46	5th	28	10th	40·0	33·3	36·8	- 4·5	5	0·15	4	- 22	Wisley	0·2	- 1·2	2	4	16	42·0	-0·9	47·0	+0·3
a Margate	51	48	5th	33	11th	42·6	38·0	40·4	- 2·2	5	0·59	15	- 2	Tunbridge Wells	0·4	- 1·0	5	4	21	42·6	+0·8	47·6	—
														Margate	0·3	- 1·1	4	1	28	43·4	-1·2	48·2	+1·1
a Dungeness	21	49	5, 6	28	9th	42·9	35·4	39·3	- 3·7	4	0·24	6	- 15	Folkestone ..	1·4	—	17	—	—	—	—	49·0	—
p St. Leonards	178	48	5th	31	9, 11	41·7	35·1	38·5	- 4·5	6	0·19	5	- 18	St. Leonards ..	2·6	+ 0·8	32	4	26	42·4	—	48·6	—
p Southampton	64	48	5th	27	10th	42·1	33·1	37·8	- 5·1	3	0·10	3	- 23	Southampton ..	1·1	- 0·4	14	4	19	—	—	—	—
a Ventnor	59	49	5th	33	10th	43·6	38·0	40·9	- 4·2	1	0·05	1	- 24	Ventnor	1·6	- 0·1	20	—	—	—	—	—	—
LONDON. *a* Richmond Kew Obs.)	18	46	5th	30	10, 11	40·8	35·2	38·1	- 3·4	3	0·25	6	- 11	Richmond	0·3	- 0·9	4	3	22	40·8	-1·8	46·6	-0·5
a Westminster	27	47	5th	31	10th	42·5	36·8	39·8	- 2·8	5	0·23	6	- 10	Westminster ..	0·0	- 0·5	0	3	28	—	—	—	—
ag Greenwich	149	46	5th	32	9, 10, 11	40·1	36·1	38·2	- 3·0	4	0·35	9	- 3	Greenwich	0·1	- 1·1	1	3	26	—	—	—	—
a Hampstead	450	44	5th	27	9th	39·4	33·1	36·4	—	5	0·31	8	—	Hampstead	0·9	—	12	3	25	—	—	—	—
ag Camden Square ..	110	46	5th	31	9th	40·9	36·0	38·6	- 3·2	4	0·30	8	- 10	Camden Square	—	—	—	4	26	—	—	—	—
7. *a*, ENGLAND, N.W.																						
p Aspatria (Mealsgate)	487	44	9th	29	8th	41·0	32·4	36·9	- 3·1	3	0·19	5	- 25	Aspatria.. ..	1·7	+ 0·5	23	7	24	40·8	-0·4	46·0	+0·1
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg ..	1·5	+ 0·3	19	—	—	—	—	—	—
p Stonyhurst	376	46	5th	27	9, 10	40·3	34·3	37·4	- 2·7	5	0·14	4	- 29	Stonyhurst ..	1·1	+ 0·2	15	4	22	—	—	—	—
a Blackpool	66	47	5th	28	9th	40·4	32·9	36·8	- 4·4	4	0·06	2	- 21	Blackpool ..	1·4	+ 0·2	18	4	23	42·9	—	47·6	—
a Southport	37	46	5th	27	10th	39·4	33·0	36·3	- 4·9	4	0·06	2	- 20	Southport ..	1·2	+ 0·1	16	6	21	38·1	-1·8	44·6	+0·8
														Hoylake ..	—	—	—	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	46	5th	32	8, 9	41·7	35·3	38·6	- 3·4	4	0·16	4	- 14	Liverpool ..	1·9	—	25	4	27	—	—	—	—
a Hawarden Bridge ..	22	46	5th	27	10th	39·9	32·3	36·3	- 6·2	4	0·14	4	- 12	Manchester(City)	0·2	- 0·1	3	0	31	40·2	-0·7	46·0	-0·1
p Manchester (Whit. Pk.)	126	46	5th	32	9, 10, 11	40·7	35·6	38·3	- 3·0	2	0·05	1	- 20	Whitworth Park	0·0	- 0·5	0	—	—	—	—	—	—
8. NORTH WALES.																						
p Llandudno	22	47	5, 9	35	11th	45·1	38·9	42·1	- 1·7	5	0·20	5	- 16	Llandudno ..	1·3	0·0	17	—	—	—	—	—	—
a Holyhead	10	49	10th	38	8th	46·0	40·7	43·5	- 0·8	4	0·13	3	- 26	Holyhead ..	1·3	—	17	1	28	—	—	—	—
a Aberdovey	60	49	5, 9	36	10th	45·0	38·4	41·8	—	0	0·00	0	—	Aberdovey ..	2·8	+ 1·4	35	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.
a. SOUTH WALES.																						
a Aberystwyth	16	47	5, 9	33	10th	44·7	36·3	40·7	—	1	0·01	0	—	Aberystwyth ..	2·0	+ 0·6	26	—	—	—	—	—
a Rhayader	757	47	5th	28	10th	40·3	33·3	36·9	—	3	0·06	2	—	Rhayader ..	1·5	—	19	4	20	—	—	—
a St. Ann's Head ..	149	48	5th	38	6, 7, 11	45·0	39·4	42·3	- 3·2	4	0·13	3	- 30	St. Ann's Head	2·6	+ 1·0	32	—	—	—	—	—
p Cardiff	202	46	5th	31	10th	41·9	35·4	38·8	- 2·9	0	0·00	0	- 35	Cardiff	1·4	—	18	3	21	41·3	- 1·6	47·8	+ 0·8
b. ENGLAND, S.W.																						
a Bath	66	45	5th	29	10, 11	41·1	31·0	37·7	- 4·1	2	0·02	1	- 23	Bath	0·5	- 1·0	7	—	—	43·4	- 0·5	48·8	+ 0·6
a Shaftesbury	722	43	5, 8	28	10th	39·3	32·7	36·1	- 4·6	2	0·03	1	- 25	Shaftesbury ..	—	—	—	—	—	42·0	—	47·5	—
a Arlington	313	46	9th	28	10th	42·6	35·0	39·0	- 3·0	0	0·00	0	- 48										
a Newquay	190	47	5th	31	10th	44·4	36·8	40·8	- 5·4	2	0·34	9	- 22	Newquay ..	2·7	+ 0·9	33	3	28	46·3	—	51·1	—
a Cullompton	202	46	5th	28	10th	42·4	34·7	38·7	- 3·5	1	0·14	4	- 27	Cullompton ..	1·4	0·0	17	5	21	43·7	—	—	—
a Portland Bill	19	49	5, 8	35	10, 11	45·4	38·3	42·0	- 3·7	1	0·16	4	- 17	Weymouth ..	1·7	—	21	—	—	—	—	—	—
p Plymouth	116	47	5, 8, 9	33	10th	44·7	37·4	41·2	- 3·8	2	0·67	17	- 17	Plymouth ..	1·9	+ 0·2	24	2	27	43·6	- 2·3	50·5	—
a Falmouth	167	48	5, 9	34	10, 11	45·4	37·0	41·4	- 4·5	2	0·37	9	- 35	Falmouth ..	2·4	+ 0·5	30	1	27	46·2	—	51·1	—
9. IRELAND, N.																						
a Malin Head	208	—	—	—	—	—	—	—	—	—	—	—	—	Malin Head ..	—	—	—	—	—	—	—	—	—
a West .. a Blacksod Point ..	10	50	5th	34	9th	47·1	40·7	44·0	+ 0·1	3	0·14	4	- 35	Mallarany ..	—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle	2·3	+ 1·0	30	5	21	42·5	- 0·6	48·3	+ 0·8
p Markree Castle ..	122	50	5th	24	6th	43·1	30·4	37·0	- 3·6	3	0·10	3	- 28										
b, East .. p Armagh	204	44	10th	25	6th	39·7	29·7	34·9	- 5·6	5	0·08	2	- 19	Armagh	1·6	+ 0·2	22	6	21	41·4	- 0·6	47·2	+ 1·1
a Donaghadee	35	48	6th	34	9th	45·6	38·9	42·4	+ 0·4	4	0·25	6	- 15										
10. IRELAND, S.																						
p Dublin, City	54	46	6th	32	8, 9, 11	42·7	34·7	38·9	- 4·3	2	0·22	6	- 11	Trinity Coll. ..	0·3	—	3	4	24	43·7	+ 0·7	48·2	+ 1·8
a Birr Castle	175	47	9th	26	6th	41·9	29·4	35·9	- 5·3	1	0·04	1	- 20	Phœnix Park ..	0·9	- 0·8	12	7	25	—	—	—	—
a Kilkenny	195	45	5th	24	9th	42·1	30·1	36·3	- 5·1	4	0·06	2	- 20	Dublin City ..	—	—	—	4	26	—	—	—	—
a Waterford	137	46	5th	30	10, 11	43·6	33·3	38·7	- 4·5	1	0·04	1	- 27	Birr Castle ..	2·5	+ 1·0	32	6	20	—	—	—	—
p Seskin, Carrick-on-Suir	542	46	5th	32	7, 9–11	42·1	32·9	37·7	—	3	0·07	2	—	Seskin	1·6	—	20	5	22	—	—	—	—
a Cahir	199	48	5th	24	8, 9	42·6	28·6	35·9	- 5·8	3	0·09	2	—										
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
a Cahirciveen (Val. Obs.)	30	50	5th	33	7, 9	47·7	37·6	42·9	- 2·9	2	0·63	16	- 25	Cahirciveen ..	2·7	+ 1·2	34	4	28	—	—	—	—
a Killarney	174	47	10th	32	6, 7	45·1	36·8	41·1	- 2·9	1	0·02	1	- 43	Ballinacurra ..	1·6	+ 0·1	20	—	—	—	—	—	—
a Roche's Point	32	50	8th	34	10, 11	47·3	37·4	42·6	- 2·5	4	0·17	4	- 28										
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	51	8, 9	40	10, 11	48·3	43·1	45·8	- 2·2	2	0·20	5	- 27	Scilly	2·4	+ 0·4	29	—	—	—	—	—	—
a Jersey, St. Aubins ..	26	50	5th	33	9th	45·4	38·9	42·3	- 3·9	5	0·44	11	- 21	St. Heliers ..	2·1	+ 0·1	25	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	50	5th	37	11th	46·6	41·0	43·9	- 2·3	5	0·80	20	- 15	Guernsey† ..	1·1	- 0·7	13	2	26	45·7	- 1·6	51·0	+ 0·4

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 11th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date.		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	4	7	93	47	21	0	340	15	4	5	—	—	—	—
1. SCOTLAND, E.																			
Dyce***	305	75	15*	—	0	—	0	0	14	88	66	60	4	11	24	8	11	23	45
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	5	118	45	0	110	7	11	24	—	—	—	—
Edinburgh	485	39	51	—	0	—	0	11	75	82	0	230	8	8	18	13	8	18	5
6. SCOTLAND, W.																			
Eskdalemuir	825	59	22	—	0	—	0	9	67	92	0	20	6	5	10	10	5	9	40
Paisley	188	81	15	—	0	—	0	0	43	125	0	230	5	8	24	10	8	23	45
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	2	45	111	0	—	6	5	2	12	5	1	55
South Shields	72	61	12	—	0	—	0	36	84	48	0	110	10	11	21	17	11	20	5
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	5, 6, 11	22	54	65	27	0	70	12	5	22	19	6	1	20
Shoeburyness	103	90	‡	—	0	5, 6	5	47	67	35	14	30	12	6	10	18	6	3	45
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	5	1	22	59	86	0	360	11	5	1	18	5	1	0
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	7	120	41	0	—	9	5	1	19	5	2	15
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	5	1	5	6	60	100	1	0	20	18	5	1	22	5	0	50
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	25	74	69	0	20	8	5	2	18	5	0	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	5	1	16	115	36	0	10	11	5	1	—	—	—	—
Southport	80	62	48	—	0	5	1	17	111	39	0	10	11	5	1	13	5	0	35
Holyhead	60	40	‡	—	0	5	4	59	85	20	0	10	13	5	1	17	5	2	30
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	258	65	34	—	0	5	9	49	98	12	0	10	13	5	4	18	5	4	10
Plymouth	165	88	2	—	0	—	0	45	108	15	0	—	10	5	21	17	5	6	30
Lyme Regis	556	61	‡	—	0	5	3	26	48	91	0	—	16	5	2	21	5	1	55
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	—	0	49	84	35	0	70	10	11	19	—	—	—	—
Quilty	100	40	‡	—	0	—	0	79	86	3	0	—	9	8	2	11	8	3	25
Cahirciveen (Val Obs.)	88	41	‡	—	0	—	0	28	96	44	0	20	7	8	10	12	8	5	0
Weaver Pt.	160	30	‡	—	0	—	0	41	116	4	7	—	?10	5	5	?14	5	4	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	—	0	10	62	96	0	360	10	5	1	15	5	1	5

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]

‡ Standard mounting.

§ Direction from the Robinson Anemometer at Falmouth Observatory.

¶ Tube Anemograph out of action since Feb. 5th, 1920.

* Above tops of trees.

** For Deerness the week ends at midnight on Friday.

*** Dyce.—66 hours defective record. Wind calm or light air.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FORTY-NINTH WEEK of 1920—December 5th to December 11th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	48	22	78·4	73·7	76·2	− 0·6	0	− 9	30	+ 1	3	− 3	0·30	8	− 34	0·2	−0·6	3	1025
Eastern.																			
1. SCOTLAND, EAST ...	45	18	77·2	72·0	74·7	− 1·7	0	− 8	49	+15	3	− 2	0·22	6	− 18	2·0	+0·7	29	1027
2. ENGLAND, N.E.	48	25	78·4	74·4	76·5	− 1·0	0	− 10	26	0	5	+ 1	0·35	9	− 8	1·2	−0·1	16	1025
3. ENGLAND, EAST ...	47	24	77·8	73·9	75·9	− 1·8	0	− 14	33	+ 6	5	0	0·57	14	− 2	0·8	−0·6	10	1023
4. MIDLAND COUNTIES ...	47	25	77·8	73·8	75·9	− 1·5	0	− 14	34	+ 4	2	− 3	0·09	2	− 16	1·0	−0·3	12	1025
5. ENGLAND, S.E.	49	25	78·2	74·4	76·4	− 2·3	0	− 21	27	+ 8	4	− 1	0·18	5	− 19	1·1	−0·4	13	1023
Western.																			
6. SCOTLAND, WEST ...	46	26	78·8	74·2	76·6	− 1·3	1	− 13	28	+ 9	4	− 1	0·51	13	− 27	1·2	+0·1	16	1028
7. ENGLAND, N.W.	49	27	78·4	74·8	76·7	− 1·6	0	− 15	23	+ 3	4	− 1	0·13	3	− 23	1·6	+0·5	21	1026
8. ENGLAND, S.W.	49	28	79·0	75·1	77·1	− 2·3	2	− 23	24	+11	2	− 3	0·16	4	− 32	1·9	+0·3	23	1024
9. IRELAND, NORTH ...	50	24	79·4	74·0	76·8	− 1·5	4	− 11	31	+10	3	− 3	0·13	3	− 24	2·0	+0·6	26	1025
10. IRELAND, SOUTH ...	50	24	79·7	73·7	76·9	− 2·4	6	− 19	33	+18	2	− 3	0·17	4	− 25	1·9	+0·3	24	1026
11. ENGLISH CHANNEL ...	51	33	81·2	78·0	79·7	− 1·7	18	− 21	3	0	4	− 2	0·48	12	− 21	1·8	0·0	22	1023

THE SEASON (Winter).—Aggregates, &c., for the Period of 2 Weeks, November 28th to December 11th, 1920.

0. SCOTLAND, NORTH ...	51	22	79·9	75·3	77·7	+ 0·5	21	0	39	−14	9	− 2	1·82	46	− 35	0·4	−0·4	6	1018
Eastern.																			
1. SCOTLAND, EAST ...	53	18	79·1	74·2	76·8	0·0	19	− 1	60	− 4	8	− 1	1·52	39	− 2	1·8	+0·5	25	1019
2. ENGLAND, N.E.	55	25	80·2	76·1	78·2	+ 0·3	23	− 2	30	−16	11	+ 3	1·28	33	+ 1	1·0	−0·4	14	1018
3. ENGLAND, EAST ...	57	24	80·3	75·9	78·2	+ 0·2	29	− 2	37	−11	12	+ 3	1·25	31	0	1·0	−0·5	12	1019
4. MIDLAND COUNTIES ...	57	25	80·3	75·6	78·1	+ 0·4	30	0	40	−14	8	− 1	0·92	23	− 12	1·1	−0·2	14	1020
5. ENGLAND, S.E.	56	25	81·1	76·4	78·9	0·0	36	− 7	28	− 6	10	+ 1	1·21	31	− 11	1·0	−0·5	12	1019
Western.																			
6. SCOTLAND, WEST ...	55	26	80·5	75·8	78·3	0·0	27	− 4	34	− 3	10	0	2·61	67	− 3	1·2	+0·1	16	1020
7. ENGLAND, N.W.	57	27	80·8	76·8	78·9	+ 0·3	32	− 2	23	−11	10	0	0·85	21	− 29	1·5	+0·3	20	1019
8. ENGLAND, S.W.	58	28	81·4	76·9	79·2	− 0·3	36	− 14	24	− 1	7	− 3	1·54	39	− 23	1·8	+0·2	22	1020
9. IRELAND, NORTH ...	56	24	81·3	75·3	78·4	− 0·2	37	+ 2	41	+ 5	9	− 2	1·86	47	− 2	2·1	+0·7	27	1018
10. IRELAND, SOUTH ...	58	24	81·7	75·6	78·8	− 0·7	42	− 10	39	+11	8	− 2	1·94	49	− 4	1·9	+0·3	24	1020
11. ENGLISH CHANNEL ...	57	33	83·1	79·8	81·6	+ 0·1	79	0	3	− 2	11	0	1·50	38	− 20	1·9	0·0	22	1020

THE YEAR 1920.—Aggregates, &c., for the Period of 49 Weeks, January 4th to December 11th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·4	78·2	81·2	+ 0·4	2149	+ 67	459	−227	214	−16	51·86	1318	+115	3·5	+0·3	28	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	15	84·9	77·7	81·2	+ 0·3	2233	− 69	603	−199	193	− 2	29·89	758	+ 16	3·9	+0·1	31	1011
2. ENGLAND, N.E.	79	20	86·1	79·0	82·5	+ 0·6	2822	+163	366	−217	177	+ 1	23·97	611	+ 15	3·8	−0·3	30	1014
3. ENGLAND, EAST ...	84	19	87·2	79·3	83·1	+ 0·6	3232	+174	415	−195	162	−10	19·59	500	− 69	4·5	0·0	36	1016
4. MIDLAND COUNTIES ...	82	19	86·9	79·0	82·7	+ 0·5	2977	+ 29	392	−277	183	+12	28·36	721	+ 87	3·4	−0·6	27	1015
5. ENGLAND, S.E.	81	17	87·4	80·0	83·6	+ 0·5	3400	+114	240	−222	161	− 7	24·29	621	− 31	4·2	−0·5	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	21	85·4	79·2	82·2	+ 0·4	2611	+ 56	329	−195	224	+20	48·86	1242	+131	3·3	−0·6	26	1013
7. ENGLAND, N.W. ...	81	22	85·9	79·9	82·8	+ 0·5	2917	+126	242	−224	200	+12	36·56	929	+ 91	3·6	−0·5	28	1014
8. ENGLAND, S.W.	78	17	86·6	80·3	83·3	+ 0·3	3155	+ 32	176	−189	190	+ 2	37·21	944	+ 29	3·8	−0·7	30	1016
9. IRELAND, NORTH ...	77	23	85·9	79·4	82·5	+ 0·3	2788	+122	284	−148	238	+14	38·75	984	+ 79	3·2	−0·5	20	1011
10. IRELAND, SOUTH ...	78	22	86·6	80·2	83·3	+ 0·3	3151	+ 57	186	−148	226	+27	41·60	1056	+116	3·5	−0·6	28	1014
11. ENGLISH CHANNEL ...	75	29	87·3	82·4	84·7	+ 0·3	3865	+148	23	− 90	169	−27	27·28	691	− 82	4·9	−0·5	39	1017
	°F	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
17th December 1920.

29 DEC 1920
METEOROLOGICAL OFFICE LIBRARY 197

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. *Vol. XXXVII. (New Series.)* } No. 50

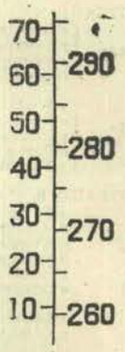
FIFTIETH WEEK.

SUNDAY, DECEMBER 12TH TO SATURDAY, DECEMBER 18TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over England and Ireland during the week was dominated by an anticyclonic ridge spreading from the main system over Scandinavia, and was of very wintry character generally; over Scotland, on the other hand, under the influence of a south-westerly type, the conditions were much less severe. The snow storms noticed at the end of the preceding week were continued very generally over England on Sunday, and there were further showers of snow in the north and east on subsequent days. Intense frost prevailed over a very large area on Sunday and Monday, when the lowest maxima and also the lowest minima were recorded; in the early hours of Monday at Cambridge the thermometer went down to 257 a and at Raunds to 255 a, while the maxima over the inland parts of England were generally below 271 a. The mean for the week was below the normal everywhere, in Scotland N. the deficit was slight, but increasing in a southerly direction it was as large as 5 a or 6 a over the southern half of England. The largest deficit at any individual station was 7·4 a (= 13·2° F.) at Newquay. On the morning of Sunday the depth of snow was 10 inches at Felixstowe and 14 inches at Clacton-on-Sea, while over the north and east of England generally "snow lying" was reported practically all the week. Precipitation was less than the normal for the week except in England N.E., and at several stations, particularly in Scotland, there was none. Bright sunshine was deficient over the greater part of England, but over Ireland and the western districts of England there was a considerable excess; at several stations the percentage of the possible was as large as 40 or 50. On one or two days the records at stations on the Welsh coast were as much as 5½ or 6 hours.



Temperature Scales.

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	28	6·9	6	3·2	2	4·5	0	—	8	1·2	2	1·4	14	2·8	10	3·6
North	0	—	7	0·8	21	3·5	25	3·2	14	1·9	17	2·8	9	3·0	6	1·6
West	4	1·3	6	2·7	6	0·8	5	0·8	0	—	0	—	6	2·2	0	—
East	20	5·3	13	2·7	18	4·4	13	3·1	25	4·7	26	4·5	16	5·1	16	3·5
Calm	0	—	8	—	4	—	3	—	3	—	2	—	2	—	12	—

* For Deerness the week ends at midnight on Friday.

† Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c. is printed on a separate sheet *See below*, Note (1).

		DISTRICTS OF THE BRITISH ISLES											
		Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Deficient	Deficient	Deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient	Very deficient
	Rainfall ...	Very light	Light	Moderate	Moderate	Light	Light	Very light	Very light	Very light	Very light	Very light	Light
	Sunshine ...	Moderate	Moderate	Scanty	Very scanty	Scanty	Scanty	Scanty	Moderate	Abundant	Abundant	Abundant	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 3 weeks from November 28th, 1920.	Warmth ...	1, 1, 1	1, 0, 2	1, 1, 1	1, 1, 1	1, 1, 1	1, 0, 2	1, 0, 2	1, 1, 1	1, 0, 2	1, 1, 1	1, 0, 2	1, 0, 2
	Rainfall ...	0, 1, 2	1, 0, 2	1, 1, 1	1, 2, 0	1, 0, 2	1, 0, 2	1, 0, 2	0, 1, 2	1, 0, 2	1, 0, 2	1, 0, 2	0, 1, 2
	Sunshine ...	0, 2, 1	2, 1, 0	0, 1, 2	0, 0, 3	0, 2, 1	0, 1, 2	0, 2, 1	1, 2, 0	1, 2, 0	3, 0, 0	1, 2, 0	0, 2, 1

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31406—19) Wt. 24—561/T25 500 12/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a. Islands.. a Lerwick	54	49	18th	38	12, 13	44·6	39·4	42·1	+ 1·8	4	0·35	9	- 21										
p Deerness, Orkney ..	165	45	14th	37	13th	43·6	38·3	41·1	+ 0·9	4	0·19	5	- 21	Deerness ..	0·0	- 0·5	0	—	—	—	—	—	—
a Stornoway	51	44	14, 17	33	15th	42·9	38·0	40·6	+ 0·3	0	0·00	0	- 39	Stornoway ..	1·6	+ 1·0	24	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	47	18th	39	13, 14	44·4	40·4	42·5	—	2	0·02	0·4	—	Castlebay ..	0·6	—	9	—	—	—	—	—	—
b. Mainland. a Wick	81	45	13, 14	30	18th	43·0	37·6	40·4	+ 1·1	3	0·13	3	- 16										
a Strathpeffer	125	39	13th	20	16th	35·9	26·3	31·3	- 6·8	0	0·00	0	- 22										
p Glencarron	500	41	14th	21	16th	37·1	29·0	33·2	- 4·9	0	0·00	0	- 65										
a Fort Augustus.. ..	68	43	14th	23	16th	40·0	29·4	34·9	- 3·8	0	0·00	0	- 36										
p Fort William	171	42	14th	26	16th	40·0	31·6	36·0	- 4·0	0	0·00	0	- 63										
1. SCOTLAND, E.																							
a Nairn	82	40	13, 14	23	16th	36·6	28·1	32·5	- 5·5	2	0·02	1	- 14	Nairn	2·2	—	33	—	—	—	—	—	—
p Gordon Castle ..	101	41	14th	24	16th	39·0	30·6	35·0	- 4·0	2	0·03	1	- 11	Gordon Castle..	1·9	—	28	—	—	—	—	—	—
a Aberdeen	46	43	14th	25	18th	39·1	35·4	37·3	- 1·6	5	0·65	17	- 1	Aberdeen ..	0·9	- 0·2	14	3	17	—	—	44·0	+1·4
a Balmoral	930	37	15th	18	18th	35·0	27·6	31·5	- 3·7	3	0·47	12	- 6	Balmoral ..	—	—	—	5	14	—	—	—	—
p Crieff	432	38	13, 14	27	18th	38·4	31·3	34·0	- 4·0	3	0·41	10	- 14	Crathes	1·2	+ 0·1	18	5	15	37·0	- 1·0	41·7	+0·6
a Dundee	244	41	13, 14	21	18th	37·4	31·1	34·4	- 3·6	3	0·68	17	+ 2	Dundee	0·9	—	13	6	12	37·6	—	—	—
a Leith	30	42	12, 13	24	18th	38·9	32·7	35·9	- 4·4	3	0·17	4	- 7	Leith	—	—	—	4	19	—	—	—	—
p Edinburgh	441	40	12th	25	18th	37·7	31·0	34·5	- 4·7	2	0·17	4	- 8	Edinburgh ..	1·1	- 0·1	17	5	16	—	—	—	—
a West Linton	769	36	13, 14	11	18th	34·7	24·1	29·6	- 5·5	1	0·07	2	—	West Linton ..	0·1	—	2	6	10	—	—	—	—
p Marchmont	498	38	12–14	24	18th	36·3	30·6	33·6	- 3·9	3	0·59	15	0	Marchmont ..	0·9	- 0·1	13	—	—	—	—	—	—
6. a. SCOTLAND, W.																							
a Ford (Argyll)	149	42	12th	27	15th	39·0	32·4	35·8	—	1	0·02	1	—	Ford (Argyll) ..	—	—	—	6	22	38·5	—	44·6	—
p Glasgow Observatory	180	39	13, 14	27	18th	37·1	32·6	34·9	- 4·9	2	0·15	4	- 19	Glasgow.. ..	0·1	- 0·4	2	6	19	—	—	—	—
a Renfrew..	49	40	13, 14	22	18th	37·1	30·3	33·8	—	3	0·31	8	—	Renfrew ..	0·3	—	5	5	13	—	—	—	—
p Rothesay	200	40	13, 14	31	18th	38·4	33·7	36·1	- 4·6	2	0·14	4	- 27	Rothesay ..	2·1	—	30	4	23	38·3	—	44·9	+0·6
a Kilmarnock	90	40	13, 15, 18	22	16th	38·3	27·9	33·3	- 5·8	0	0·00	0	- 23	Kilmarnock ..	1·2	—	17	—	—	37·6	—	45·0	—
a Colmonell	170	43	16th	22	18th	37·6	28·0	33·0	- 7·7	1	0·08	2	- 29	Colmonell ..	—	—	—	6	13	—	—	—	—
p Dumfries	160	39	13th	20	17th	35·6	27·6	31·8	- 7·3	2	0·16	4	- 19	Dumfries ..	0·6	—	9	6	14	37·2	- 2·8	43·4	+02
a Eskdalemuir	794	36	12, 13	14	18th	34·1	24·6	29·5	—	2	0·20	5	—	Eskdalemuir ..	0·9	—	13	6	9	—	—	—	—
b. I. OF MAN p Douglas	284	41	18th	32	13th	39·1	33·9	36·6	- 5·7	3	0·29	7	- 21	Douglas	0·4	- 0·9	5	6	24	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	42	12th	32	17th	39·1	33·9	36·6	- 2·8	4	0·54	14	- 3										
a Tynemouth .. .	118	43	14th	33	17th	39·4	34·9	37·2	- 2·9	4	0·68	17	+ 5	Cockle Park ..	0·3	- 1·2	4	4	27	36·6	-1·8	42·1	+0·2
p Durham	336	39	14th	26	18th	36·6	29·7	33·3	- 5·3	4	0·73	19	+ 7	Durham ..	0·2	- 1·1	2	5	20	—	—	—	—
a North .. p Rounton	249	37	15th	28	12, 13, 16	34·9	29·6	32·4	- 6·1	4	0·36	9	- 4	Rounton ..	—	—	—	7	20	37·9	—	—	—
a West Witton	605	35	14, 16–18	27	12th	33·9	29·4	31·7	—	5	0·57	14	—	West Witton ..	—	—	—	6	24	36·5	—	43·4	—
p Scarborough	118	43	17th	31	13th	40·7	34·9	37·9	- 2·5	4	0·36	9	- 5	Scarborough† ..	0·3	- 0·8	4	—	—	—	—	44·0	—
p York	66	38	17th	27	13th	36·1	30·4	33·4	- 6·1	4	0·36	9	- 4	York	0·5	- 0·3	7	—	—	39·7	-1·7	45·6	+0·6
a Spurn Head	26	43	17th	26	13th	39·7	30·4	35·2	- 5·5	7	0·89	23	+ 11	Spurn Head ..	—	—	—	—	—	—	—	—	—
b South .. a Lincoln	58	38	17, 18	15	13th	36·0	28·3	32·3	- 6·7	5	0·27	7	- 6	Lincoln	—	—	—	5	15	37·5	- 2·7	44·7	- 0·3
a Fulbeck	180	37	17th	19	13, 14	33·7	26·1	30·1	- 9·1	6	0·34	9	- 4	Fulbeck	0·5	- 0·8	7	7	25	—	—	—	—
														Skegness ..	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	198	42	17, 18	22	13th	39·7	28·3	34·2	- 6·3	6	0·31	8	- 5	Cromer	0·2	- 1·3	2	—	—	—	—	—	—
a Little Massingham ..	277	39	18th	14	13th	35·0	24·4	29·9	- 9·3	6	0·65	17	- 1	Lit. Massingham	0·1	- 1·1	1	—	—	—	—	—	—
a Yarmouth	13	42	17, 18	27	13th	38·9	30·9	35·1	- 5·2	6	0·43	11	- 5	Yarmouth ..	0·1	—	1	4	25	40·3	-1·5	46·0	-0·2
a Norwich	93	39	18th	20	13th	35·7	28·4	32·2	- 7·5	6	0·76	19	+ 2	Norwich ..	0·1	—	1	6	17	35·3	—	—	—
a Geldeston	37	40	18th	20	13th	37·9	26·7	32·5	- 7·9	6	0·83	21	+ 6	Geldeston ..	0·1	- 1·3	2	—	—	—	—	—	—
p Cambridge	41	40	18th	4	13th	33·9	25·3	29·8	-10·0	5	0·28	7	- 6	Cambridge ..	0·0	- 1·3	0	5	19	38·1	-3·7	45·6	-0·5
a Clacton-on-Sea ..	54	39	14, 18	24	13th	36·7	29·4	33·2	- 7·3	6	0·46	12	0	Clacton	0·0	- 1·5	0	3	22	38·2	-5·5	46·3	-1·4
a Rothamsted	420	37	18th	15	13th	32·7	24·7	28·9	-10·8	6	0·12	3	- 15	Rothamsted ..	0·7	- 0·7	9	6	9	36·6	—	—	—
p Tottenham	51	40	18th	13	13th	34·6	26·6	30·8	—	3	0·15	4	—	Tottenham ..	0·0	—	0	4	19	—	—	45·9	-1·6
														S'thend-on-Sea	0·2	—	3	6	20	38·4	-4·8	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	35	17, 18	23	13th	33·4	28·3	31·0	- 7·6	3	0·43	11	- 8	Harrogate ..	0·4	- 0·9	5	7	16	38·3	-2·4	42·7	0·0
p Sheffield	429	38	18th	17	13th	34·9	29·0	32·1	—	4	0·15	4	—	Sheffield.. ..	0·1	- 1·0	2	5	15	37·3	-3·4	43·9	-1·0
p Buxton	987	36	18th	12	13th	33·3	24·7	29·2	- 8·1	4	0·06	1	- 37	Buxton	0·7	—	9	7	14	35·6	-3·7	43·8	-0·4
b, East .. a Worksop	56	40	17th	22	13th	35·4	27·9	31·8	- 7·6	5	0·19	5	- 11	Worksop ..	0·6	- 0·3	9	7	17	37·6	—	43·7	—
a Nottingham	82	39	18th	13	13th	35·1	27·0	31·2	- 8·5	3	0·18	5	- 11	Nottingham ..	0·8	- 0·1	10	6	22	34·5	-5·7	41·9	-1·5
p Birmingham, Edgbn.	525	38	18th	15	13th	34·0	26·4	30·4	- 9·2	3	0·19	5	- 13	Birmingham ..	0·2	- 0·7	3	6	18	37·5	-4·9	46·3	-0·3
a Raunds	203	39	18th	—1	13, 14	34·0	19·6	27·1	-11·6	4	0·34	9	- 7	Raunds	0·3	—	4	6	-1	37·8	—	—	—
p Oxford	208	39	18th	17	13th	34·4	26·3	30·5	- 9·9	3	0·05	1	- 15	Oxford	0·8	- 0·6	10	6	14	—	—	—	—
														Malvern ..	0·8	—	11	6	17	36·2	—	44·4	—
a Cheadle (N. Staffs.) ..	646	38	17, 18	11	13th	34·9	26·4	30·8	- 7·6	2	0·15	4	- 18	Cheadle	—	—	—	7	11	—	—	—	—
c, West .. p Tenbury	313	39	18th	13	13th	34·7	23·9	29·5	-11·0	2	0·06	2	- 12	Tenbury	—	—	—	6	10	36·7	—	—	—
a Hereford	291	39	18th	17	13th	33·9	23·7	29·0	-11·1	3	0·07	2	- 17	Ross-on-Wye ..	1·0	—	13	6	17	36·1	—	45·5	—
a Clifton	225	39	12th	23	13, 14	34·0	26·1	30·2	-11·6	2	0·06	2	- 23	Clifton	1·4	—	18	7	22	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	38	18th	18	13th	33·3	24·6	29·1	-10·6	3	0·05	1	- 21	Worthing ..	0·3	- 1·5	4	6	24	37·6	-6·3	46·6	-1·4
p Wilton Ho.*	180	39	18th	23	13, 16	35·6	27·3	31·6	- 8·8	3	0·07	2	- 24	Marlborough ..	0·4	- 0·8	5	7	9	37·4	—	46·9	—
a Wisley, Surrey ..	150	38	18th	13	13, 14	34·3	24·4	29·6	-11·2	3	0·14	4	- 11	Wilton Ho. ..	—	—	—	6	20	37·1	—	—	—
a Tunbridge Wells ..	354	38	18th	22	13th	34·3	26·9	30·8	-10·2	4	0·30	8	- 13	Wisley	0·6	- 0·8	7	6	6	37·5	-5·3	45·4	-1·0
a Margate	51	43	18th	25	12, 13	39·1	29·7	34·6	- 7·6	4	0·33	9	- 5	Tunbridge Wells	0·5	- 0·9	6	6	17	38·4	-3·6	45·6	—
														Margate	0·2	- 1·2	3	5	20	38·2	-6·1	46·1	-0·5
a Dungeness	21	42	18th	28	16, 17	36·7	29·7	33·3	- 9·3	2	0·24	6	- 11	Folkestone ..	0·4	—	5	—	—	—	—	—	—
p St. Leonards	178	39	14th	27	13, 16	35·6	29·9	32·9	- 9·7	4	0·25	6	- 13	St. Leonards ..	0·0	- 1·8	0	5	22	37·2	—	46·8	—
p Southampton	64	40	18th	23	13th	35·9	27·4	31·8	-10·9	2	0·03	1	- 22	Southampton ..	0·5	- 1·0	7	6	15	—	—	—	—
a Ventnor	59	40	18th	27	16th	37·6	31·6	34·7	-10·1	4	0·11	3	- 17	Ventnor	0·8	- 1·0	10	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	41	18th	20	13th	35·0	27·5	31·4	- 9·9	3	0·03	1	- 13	Richmond ..	0·1	- 1·1	1	5	10	36·0	-6·5	45·1	-1·6
a Westminster	27	42	18th	22	13th	37·5	29·0	33·4	- 8·9	4	0·10	3	- 10	Westminster ..	0·0	- 0·6	0	6	22	—	—	—	—
ag Greenwich	149	40	18th	16	13th	35·1	26·7	31·1	- 9·1	4	0·08	2	- 9	Greenwich ..	0·3	- 0·8	3	4	13	—	—	—	—
a Hampstead	450	38	18th	18	13th	33·0	26 3	29·8	—	4	0·13	3	—	Hampstead ..	0·1	—	1	6	13	—	—	—	—
ag Camden Square ..	110	40	18th	12	13th	34·6	26·1	30·5	- 10·9	4	0·13	3	- 12	Camden Square	—	—	—	6	17	—	—	—	—
7. a. ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	36	12, 14, 16	25	16, 17	34·9	27·7	31·4	- 8·1	3	0·15	4	- 23	Aspatria.. ..	1·3	+ 0·3	18	7	20	37·8	-3·4	44·5	-0·9
p Newton Rigg	559	38	13th	22	16th	34·4	26·9	30·8	- 7·2	?	?	?	?	Newton Rigg ..	0·6	- 0·3	8	—	—	—	—	—	—
p Stonyhurst	376	37	18th	20	13th	35·3	28·4	32·0	- 7·7	2	0·10	3	- 27	Stonyhurst ..	0·4	- 0·3	6	5	14	—	—	—	—
a Blackpool	66	38	17, 18	23	13th	35·9	28·4	32·3	- 8·4	2	0·04	1	- 19	Blackpool ..	1·0	0·0	14	6	20	39·2	—	46·3	—
a Southport	37	37	18th	19	13th	34·4	27·0	30·9	- 9·9	2	0·04	1	- 19	Southport ..	0·6	- 0 3	9	5	12	34·7	-5·3	42·4	-0·9
														Hoylake ..	0·4	- 0·8	5	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	38	18th	23	13, 14	35·7	28·9	32·4	- 9·1	1	0·20	5	- 11	Liverpool ..	0·4	—	5	7	20	—	—	—	—
a Hawarden Bridge ..	22	38	16–18	20	13, 14	35·6	26·6	31·3	-10·8	2	0·07	2	- 12	Manchester(City)	0·0	- 0·2	0	4	11	36·4	-4·6	45·3	-0·2
p Manchester (Whit. Pk.)	125	40	18th	19	13th	36·7	30·3	33·6	- 7·3	1	0·03	1	- 19	Whitworth Park	0·0	- 0·4	0	—	—	—	—	—	—
v. NORTH WALES.																							
p Llandudno .. .	22	39	12, 17	22	13th	36·9	27·3	32·3	-11·1	2	0·14	4	- 15	Llandudno ..	1·7	+ 0·5	22	—	—	—	—	—	—
a Holyhead .. .	15	40	12, 14, 17	23	13th	38·3	28·0	33·4	-10·5	1	0·04	1	- 25	Holyhead ..	3·2	—	43	6	15	—	—	—	—
a Aberdovey	60	43	17th	25	13, 14	37·9	28·0	33·2	—	1	0·01	0	—	Aberdovey ..	3·3	+ 2·1	43	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
a. SOUTH WALES.																							
a Aberystwyth	16	60	18th	23	16th	55·9	36·4	31·3	—	1	0·08	2	—	Aberystwyth ..	0·8	- 0·4	10	—	—	—	—	—	—
a Rhayader	757	55	17, 18	15	13, 16	52·9	30·9	27·1	—	3	0·03	1	—	Rhayader ..	1·0	—	13	7	8	—	—	—	—
a St. Ann's Head ..	149	61	18th	28	14, 17, 18	56·7	29·1	33·1	-12·1	0	0·00	0	- 28	St. Ann's Head ..	4·0	+ 2·6	51	—	—	—	—	—	—
p Cardiff	202	59	17th	22	13th	55·0	27·3	31·3	-10·1	2	0·09	2	- 29	Cardiff	2·0	—	23	6	17	36·9	- 5·7	46·3	- 0·3
b. ENGLAND, S.W.																							
a Bath	66	59	17, 18	22	13, 16	54·6	26·1	30·5	-10·9	4	0·07	2	- 19	Bath	1·2	- 0·1	16	—	—	38·8	- 5·0	47·0	+ 0·7
a Shaftesbury	722	56	18th	22	14th	52·0	25·0	28·6	-11·5	2	0·07	2	- 20	Shaftesbury ..	—	—	—	—	—	36·6	—	45·3	—
a Arlington	613	58	17th	20	17th	54·6	26·5	30·7	-10·8	2	0·05	1	- 40										
a Newquay	190	60	18th	24	17th	56·9	28·1	32·7	-13·2	0	0·00	0	- 27	Newquay ..	3·3	+ 1·7	41	7	17	40·9	—	49·4	—
a Cullompton	202	58	17th	22	16, 17	54·3	25·7	30·2	-11·6	4	0·09	2	- 25	Cullompton ..	1·5	+ 0·3	19	6	14	38·8	—	—	—
a Portland Bill	19	60	18th	29	17th	57·1	31·0	34·2	-11·0	3	0·20	5	- 13	Weymouth ..	1·1	—	13	—	—	—	—	—	—
p Plymouth	116	59	18th	23	16th	57·0	28·1	32·7	-11·9	2	0·76	19	- 11	Plymouth ..	1·8	+ 0·2	22	6	19	38·5	- 6·9	48·5	—
a Falmouth	167	60	14, 16, 18	27	13, 17, 18	58·9	28·6	34·0	-11·6	1	0·11	3	- 35	Falmouth ..	2·9	+ 1·2	36	7	19	40·1	—	48·6	—
9. IRELAND, N.																							
a West .. a Malin Head	208	63	12, 13	30	16, 18	59·3	33·1	36·3	- 6·1	1	0·04	1	- 18	Malin Head ..	3·1	—	44	—	—	—	—	—	—
a Blacksod Point ..	10	66	13, 14	33	16th	53·6	35·6	39·8	- 4·1	1	0·02	0·4	- 34	Mallarany ..	2·5	—	33	—	—	—	—	—	—
a Mallarany	120	64	18th	28	15th	58·3	30·3	34·5	—	0	0·00	0	—	Markree Castle	2·5	+ 1·4	34	7	17	39·0	- 4·0	46·8	+ 0·1
p Markree Castle ..	122	61	12th	21	18th	57·9	25·6	32·0	- 8·6	1	0·01	0	- 27										
b, East .. p Armagh	204	60	12, 13	23	14th	57·7	28·6	33·3	- 7·0	3	0·32	8	- 10	Armagh	1·6	+ 0·4	22	5	21	39·1	- 2·8	45·4	- 0·2
a Donaghadee	35	63	12, 14	33	15th	61·3	36·1	38·8	- 3·0	3	0·24	6	- 12										
10. IRELAND, S.																							
p Dublin, City	54	61	12th	30	13, 14	59·0	32, 1	35·7	- 7·1	3	0·18	5	- 9	Trinity Coll. ..	0·4	—	5	5	23	40·7	- 2·1	46·5	+ 0·6
a Birr Castle	175	60	17th	23	15, 16	56·0	26·1	31·3	- 9·6	0	0·00	0	- 19	Phœnix Park ..	1·3	- 0·3	17	7	21	—	—	—	—
a Kilkenny	195	59	15, 17, 18	23	15th	56·9	27·0	32·2	- 8·9	1	0·14	4	- 16	Dublin City ..	—	—	—	6	24	—	—	—	—
a Waterford	137	62	12th	25	14th	58·9	30·6	34·9	- 8·1	1	0·13	3	- 23	Birr Castle ..	3·1	+ 1·6	40	7	17	—	—	—	—
p Seskin, Carrick-on-Suir	542	58	17, 18	25	13, 14	55·7	29·0	32·5	—	2	0·14	4	—	Seskin	2·7	—	35	7	15	—	—	—	—
a Cahir	199	62	17th	16	16th	56·6	23·6	30·4	-10·9	2	0·09	2	—										
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—										
a Cahirciveen (Val. Obs.)	30	57	17th	26	15th	52·1	31·1	36·8	- 8·8	0	0·00	0	- 37	Cahirciveen ..	3·8	+ 2·4	49	4	22	—	—	—	—
a Killarney	174	—	—	—	—	—	—	—	—	—	—	—	—	Ballinacurra ..	1·4	- 0·1	17	—	—	—	—	—	—
a Roche's Point	32	65	16th	27	14th	60·6	33·0	37·0	- 7·9	3	0·07	2	- 28										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	63	14, 17, 18	32	14th	52·0	35·4	38·8	- 8·9	2	0·12	3	- 24	Scilly	1·8	0·0	22	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	63	17th	28	16th	50·1	31·7	36·1	- 9·5	5	0·80	20	- 5	St. Heliers ..	0·3	- 1·6	3	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	63	18th	33	13, 14, 18	51·4	35·1	38·4	- 7·3	6	0·43	11	- 17	Guernsey† ..	0·5	- 1·2	6	6	26	40·9	- 6·0	48·8	- 1·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 18th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m/s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	13 to 16	40	115	13	0	0	130	13	14	8	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	6	117	45	0	120	6	14	4	13	14	4	0
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	—	0	73	73	22	0	100	10	12	15	—	—	—	—
Edinburgh	485	39	51	—	0	—	0	2	111	55	0	110	6	15	1	12	12	17	40
6. SCOTLAND, W.																			
Eskdalemuir	825	59	22	—	0	12	2	18	67	81	0	40	11	12	17	18	12	17	5
Paisley	188	81	15	—	0	—	0	1	80	87	0	60	6	12	24	13	12	23	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	10	66	92	0	100	7	12	11	14	12	12	25
South Shields	72	61	12	—	0	12	10	50	42	66	0	100	14	12	14	22	12	13	45
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	14, 15, 16	35	86	26	21	0	90	15	15	8	22	15	8	30
Shoeburyness	103	90	‡	—	0	—	0	53	86	29	0	{80 / 70	11	14 / 15	21 / 15	15	15	14	25
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	—	0	20	138	10	0	50	7	15	13	14	14	0	25
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	9	137	22	0	—	8	15	17	14	15	10	0
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	—	0	—	0	130	38	0	0	60	11	15	16	14	15	16	15
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	25	114	29	0	70	9	15	4	15	15	4	5
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	—	0	9	116	27	16	30	8	12	16	—	—	—	—
Southport	80	62	48	—	0	—	0	21	101	46	0	90	8	15	12	13	15	12	5
Holyhead	60	40	‡	—	0	12	3	64	66	35	0	70	12	12	20	16	13	19	45
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	—	0	13, 14	21	72	75	0	0	50	16	13	12	22	13	6	45
Plymouth	185	88	2	—	0	—	0	44	121	3	0	—	10	12	24	16	12	23	20
Lyme Regis	556	61	‡	—	0	—	0	18	101	34	15	—	7	13	15	12	12	21	15
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	12, 13	11	44	103	10	0	70	15	12	22	—	—	—	—
Quilty	100	40	‡	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Cahirciveen (Val Obs.)	98	41	‡	—	0	—	0	51	80	37	0	140	8	16	23	15	17	10	30
Weaver Pt.	130	30	‡	—	0	12, 13	5	101	69	0	0	—	12	13	2	17	13	0	25
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	—	0	13	68	87	0	60	9	13	10	15	13	8	55

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTIETH WEEK of 1920—December 12th to December 8th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air.										Rainfall.				Sunshine.			Mean Pressure at M.S.L.
	At any "D.-V." Station.		Means of				Accumulated Number of Day-Degrees.				Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	
	Highest.	Lowest.	Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal				Deviation from Normal.				
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ...	49	20	77·7	73·6	75·7	− 1·3	0	− 9	36	+ 9	1	− 5	0·07	2	− 36	0·8	+0·3	12	1027
Eastern.																			
1. SCOTLAND, EAST ...	43	11	75·8	71·9	73·9	− 2·5	0	− 9	58	+23	3	− 1	0·30	8	− 9	1·2	+0·2	18	1028
2. ENGLAND, N.E.	43	15	76·0	72·4	74·3	− 3·1	0	− 11	54	+26	5	+ 1	0·50	13	0	0·4	−0·8	5	1027
3. ENGLAND, EAST ...	42	4	75·3	70·3	72·9	− 4·7	0	− 13	71	+43	6	+ 2	0·44	11	− 4	0·2	−1·2	2	1024
4. MIDLAND COUNTIES ...	40	−1	74·3	69·4	72·0	− 5·3	0	− 13	83	+52	3	− 1	0·17	4	− 14	0·7	−0·5	9	1025
5. ENGLAND, S.E.	43	13	75·1	70·7	73·0	− 5·6	0	− 20	70	+51	3	− 1	0·16	4	− 15	0·4	−1·1	5	1023
Western.																			
6. SCOTLAND, WEST ...	43	20	76·3	72·4	74·4	− 3·4	0	− 13	53	+32	2	− 3	0·12	3	− 29	0·3	−0·7	4	1029
7. ENGLAND, N.W.	40	19	75·2	70·8	73·1	− 5·0	0	− 14	69	+48	2	− 3	0·10	3	− 20	1·2	+0·3	16	1026
8. ENGLAND, S.W.	41	15	74·8	70·1	72·6	− 6·6	0	− 23	76	+62	2	− 3	0·15	4	− 27	2·1	+0·7	26	1023
9. IRELAND, NORTH ...	46	21	77·1	72·4	74·8	− 3·5	0	− 15	47	+27	2	− 3	0·11	3	− 20	2·1	+0·9	28	1025
10. IRELAND, SOUTH ...	47	16	76·8	71·9	74·5	− 4·7	0	− 23	51	+36	1	− 4	0·09	2	− 24	2·4	+0·9	31	1025
11. ENGLISH CHANNEL ...	43	28	78·1	74·2	76·2	− 5·0	0	− 36	29	+25	4	− 1	0·45	11	− 15	0·8	−0·9	10	1021

THE SEASON (Winter).—Aggregates, &c., for the Period of 3 Weeks, November 28th to December 18th, 1920.

0. SCOTLAND, NORTH ...	51	20	79·1	74·7	77·0	− 0·1	21	− 9	75	− 5	10	− 7	1·89	48	− 71	0·5	−0·2	8	1021
Eastern.																			
1. SCOTLAND, EAST ...	53	11	78·0	73·4	75·8	− 0·9	19	− 10	118	+19	11	− 2	1·82	47	− 11	1·6	+0·4	23	1022
2. ENGLAND, N.E.	55	15	78·8	74·9	76·9	− 0·8	23	− 13	84	+10	16	+ 4	1·78	46	+ 1	0·8	−0·5	11	1021
3. ENGLAND, EAST ...	57	4	78·6	74·0	76·4	− 1·4	29	− 15	108	+32	18	+ 5	1·69	42	− 4	0·7	−0·7	9	1020
4. MIDLAND COUNTIES ...	57	−1	78·3	73·5	76·0	− 1·5	30	− 13	123	+38	11	− 2	1·09	27	− 26	0·9	−0·4	12	1021
5. ENGLAND, S.E.	56	13	79·1	74·5	76·9	− 1·9	36	− 27	98	+45	13	0	1·37	35	− 26	0·8	−0·7	10	1020
Western.																			
6. SCOTLAND, WEST ...	55	20	79·1	74·7	77·0	− 1·1	27	− 17	87	+29	12	− 3	2·73	70	− 32	0·9	−0·2	12	1023
7. ENGLAND, N.W.	57	19	78·9	74·8	77·0	− 1·4	32	− 16	92	+37	12	− 3	0·95	24	− 49	1·4	+0·3	18	1021
8. ENGLAND, S.W.	58	15	79·2	74·6	77·0	− 2·4	36	− 37	100	+61	9	− 6	1·69	43	− 50	1·9	+0·3	24	1021
9. IRELAND, NORTH ...	56	21	7919	74·3	77·2	− 1·3	37	− 13	88	+32	11	− 5	1·97	50	− 22	2·1	+0·8	27	1020
10. IRELAND, SOUTH ...	58	16	80·1	74·3	77·4	− 2·0	42	− 33	90	+47	9	− 6	2·03	51	− 28	2·0	+0·4	26	1022
11. ENGLISH CHANNEL ...	57	28	81·4	77·9	79·8	− 1·6	79	− 36	32	+23	15	− 1	1·95	49	− 35	1·5	−0·3	18	1020

THE YEAR 1920.—Aggregates, &c., for the Period of 50 Weeks, January 4th to December 18th, 1920.

0. SCOTLAND, NORTH ...	79	19	84·3	78·2	81·1	+ 0·4	2149	+ 58	495	−218	215	−21	51·93	1320	+ 79	3·4	+0·2	27	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	11	84·7	77·6	81·0	+ 0·1	2233	− 78	661	−176	196	− 3	30·19	766	+ 7	3·8	+0·1	30	1012
2. ENGLAND, N.E.	79	15	85·9	78·9	82·3	+ 0·5	2822	+152	420	−191	182	+ 2	24·47	624	+ 15	3·7	−0·4	30	1014
3. ENGLAND, EAST ...	84	4	87·0	79·1	82·9	+ 0·5	3232	+161	486	−152	168	− 8	20·03	511	− 73	4·4	−0·1	35	1016
4. MIDLAND COUNTIES ...	82	−1	86·7	78·8	82·5	+ 0·4	2977	+ 16	475	−225	186	+11	28·53	725	+ 73	3·3	−0·7	27	1016
5. ENGLAND, S.E.	81	13	87·1	79·8	83·4	+ 0·4	3400	+ 94	310	−171	164	− 8	24·45	625	− 46	4·2	−0·4	34	1016
Western.																			
6. SCOTLAND, WEST ...	80	20	85·2	79·0	82·0	+ 0·3	2611	+ 43	382	−163	226	+17	48·98	1245	+102	3·2	−0·6	26	1013
7. ENGLAND, N.W.	81	19	85·7	79·7	82·6	+ 0·4	2917	+112	311	−176	202	+ 9	36·66	932	+ 71	3·5	−0·5	28	1014
8. ENGLAND, S.W.	78	15	86·4	80·1	83·1	+ 0·2	3155	+ 9	252	−127	192	− 1	37·36	948	+ 2	3·8	−0·6	30	1016
9. IRELAND, NORTH ...	77	21	85·7	79·3	82·4	+ 0·3	2788	+107	331	−121	240	+11	38·86	987	+ 59	3·2	−0·4	26	1012
10. IRELAND, SOUTH ...	78	16	86·4	80·0	83·1	+ 0·2	3151	+ 34	237	−112	227	+23	41·69	1058	+ 92	3·5	−0·6	28	1014
11. ENGLISH CHANNEL ...	75	28	87·1	82·2	84·6	+ 0·3	3865	+112	52	− 65	173	−28	27·73	702	− 97	4·8	−0·5	39	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
24th December 1920.

METEOROLOGICAL OFFICE 1-JAN 1921 LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 51.

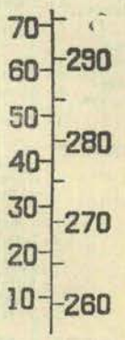
FIFTY-FIRST WEEK.

SUNDAY, DECEMBER 19TH TO SATURDAY, DECEMBER 25TH, 1920.

Price 6d. Net, Post free 6½d.
Annual Subscription (including the Monthly Weather Report), £1 10s. 0d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

The weather over the British Isles during the week was of a very changeable character generally. On Sunday an anticyclone was centred over England but on Monday this gave way to an Atlantic disturbance; the latter system travelled north-eastwards over our western and northern coasts and on Thursday conditions had again become anticyclonic. At the close of the week a brisk fall of the barometer was in progress in the west. Winds were mostly from between south and west, and were frequently strong in force, with gales locally on Tuesday and again on Saturday. The maximum temperatures over Scotland and northern England on Thursday were very low, only about 274 a, while the lowest minima, which occurred on the same day over Scotland were in many places as low as 263 a, while on the grass readings down to 262 a were recorded. A wave of hot air spread over the country on Friday and Saturday, when maximum readings of 286 a and above were general, among the actual highest being 287 a at Geldeston and Aberdovey and 288 a at Llandudno. Over Scotland north and east the mean temperature for the week was below the normal, but in all other districts it was above it. The total precipitation (mostly snow and hail in the north) was less than the normal in England N.E., about equal to it in Scotland W. and Ireland N. but more elsewhere; over the southern half of England the excess was a large as 16mm. Heavy daily falls were not common, the largest being 28mm. at Fort William on Christmas Day. On one or two days in the middle of the week the sunshine records were very good, up to six hours per day at some stations, but the remaining days being dull the mean daily amount was below the normal except on the north-east coast of Great Britain. Solar halos were observed at Oxford and Ross-on-Wye on the 21st, at Worksop on the 23rd and again at Oxford on the 25th, while lunar halos were seen on various dates in different parts of England and Scotland.



Temperature Scales

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

WIND COMPONENT FROM	SCOTLAND, N.* Deerness.		EDINBURGH. Blackford Hill.		ENGLAND, E.† Shoeburyness.		LONDON. Richmond.		NORTH WALES. Holyhead.		ENGLAND, S.W. Scilly.		DUBLIN. Kingstown.		IRELAND, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	21	5·1	—	—	18	5·4	17	4·5	22	4·3	17	8·2	24	6·2	22	6·7
North	4	8·5	—	—	6	3·2	8	2·9	4	2·4	4	6·5	1	0·5	5	2·2
West	23	3·0	—	—	16	3·7	12	2·6	13	5·2	* 18	9·2	13	5·0	12	5·8
East	3	3·1	—	—	6	2·5	5	1·9	11	2·9	7	2·2	6	3·2	14	2·8
Calm	1	—	—	—	4	—	3	—	0	—	1	—	3	—	1	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *See below*, Note (1).

	DISTRICTS OF THE BRITISH ISLES											
	Extreme N.	EASTERN SECTION.					WESTERN SECTION.					Extreme S.
	0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ... Warmth ...	Moderate	Moderate	Moderate	Unusual	Moderate	Unusual	Moderate	Moderate	Unusual	Unusual	Unusual	Moderate
Rainfall ...	Heavy	Moderate	Moderate	Moderate	Moderate	Heavy	Moderate	Heavy	Heavy	Moderate	Heavy	Moderate
Sunshine ...	Scanty	Abundant	Moderate	Moderate	Scanty	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 4 weeks from November 28th, 1920. Warmth ...	1, 2, 1	1, 1, 2	1, 2, 1	2, 1, 1	1, 2, 1	2, 0, 2	1, 1, 2	1, 2, 1	2, 0, 2	2, 1, 1	2, 0, 2	1, 1, 2
Rainfall ...	1, 1, 2	1, 1, 2	1, 2, 1	1, 3, 0	1, 1, 2	2, 0, 2	1, 1, 2	1, 1, 2	2, 0, 2	1, 1, 2	2, 0, 2	0, 2, 2
Sunshine ...	0, 2, 2	3, 1, 0	0, 2, 2	0, 1, 3	0, 2, 2	0, 2, 2	0, 3, 1	1, 3, 0	1, 3, 0	3, 1, 0	1, 2, 1	0, 2, 2

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31484—19) Wt. 24—561/P25 500 12/20 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.				
		Highest.	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F	°F	°F
0. SCOTLAND, N.																							
a, Islands: a Lerwick	54	51	25th	31	23rd	45·6	38·6	42·2	+ 1·9	6	1·23	31	+ 9										
p Deerness, Orkney	165	—	—	—	—	—	—	—	—	—	—	—	—	Deerness	—	—	—	—	—	—	—	—	—
a Stornoway	31	55	25th	27	23rd	45·1	35·3	40·4	+ 0·2	7	2·95	75	+ 47	Stornoway	0·1	- 0·6	2	—	—	—	—	—	—
a Castlebay, Barra I.	37	—	—	37	23rd	—	41·0	—	—	—	—	—	—	Castlebay	—	—	—	—	—	—	—	—	—
b, Mainland: a Wick	81	50	25th	25	23rd	44·6	31·9	38·5	- 0·7	5	0·47	12	- 2										
a Strathpeffer	125	49	25th	20	24th	41·9	27·1	34·8	- 3·1	3	0·94	24	+ 8										
p Glencarron	500	—	—	—	—	—	—	—	—	—	—	—	—										
a Fort Augustus	68	55	25th	18	23, 24	46·1	29·7	38·2	- 0·3	4	1·42	36	+ 9										
p Fort William	171	56	25th	21	23rd	45·7	34·7	40·4	+ 0·5	7	3·48	88	+ 42										
1. SCOTLAND, E.																							
a Nairn	82	51	25th	21	24th	43·0	29·6	36·6	- 1·1	5	0·35	9	- 1	Nairn	2·4	—	36	—	—	—	—	—	—
p Gordon Castle	101	49	25th	27	23, 24	43·1	32·0	37·8	- 0·9	4	0·21	5	- 7	Gordon Castle	2·0	—	31	—	—	—	—	—	—
a Aberdeen	46	49	25th	25	19, 20	44·3	31·1	38·0	- 0·6	4	0·48	12	- 3	Aberdeen	1·3	+ 0·3	20	5	17	—	—	42·8	+0·7
a Balmoral	930	45	21st	13	19th	37·3	25·9	31·8	- 3·1	6	1·23	31	+ 16	Balmoral	—	—	—	5	10	—	—	—	—
p Crieff	432	50	25th	21	23rd	42·4	30·4	36·6	- 1·0	7	1·32	34	+ 13	Crathes	1·5	+ 0·5	23	5	16	35·0	- 2·4	40·5	+0·2
a Dundee	244	50	25th	22	23rd	42·7	27·7	35·5	- 2·2	6	0·42	11	- 1	Dundee	1·5	—	23	7	12	34·7	—	—	—
a Leith	30	54	25th	26	24th	46·4	33·0	40·0	0·0	5	0·53	14	+ 5	Leith	—	—	—	4	26	—	—	—	—
p Edinburgh	441	52	25th	28	23rd	45·7	35·6	40·9	+ 1·9	5	0·51	13	+ 3	Edinburgh	1·6	+ 0·4	24	2	19	—	—	—	—
a West Linton	769	50	25th	15	23, 24	42·9	26·4	35·0	+ 0·1	5	0·88	22	—	West Linton	0·8	—	12	4	13	—	—	—	—
p Marchmont	498	50	25th	24	23rd	43·1	31·0	36·8	- 0·3	4	0·42	11	- 2	Marchmont	1·6	+ 0·6	23	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	52	25th	20	23rd	46·0	32·4	39·5	—	6	1·68	43	—	Ford (Argyll)	—	—	—	4	11	38·7	—	43·3	—
p Glasgow Observatory	180	51	25th	27	23rd	45·0	36·3	40·8	+ 1·3	6	0·96	24	+ 4	Glasgow	0·6	+ 0·1	9	3	18	—	—	—	—
a Renfrew	49	54	25th	22	24th	45·4	30·4	38·2	—	5	1·58	40	—	Renfrew	0·8	—	12	4	10	—	—	—	—
p Rothesay	200	51	25th	31	23rd	45·6	36·4	41·2	+ 0·8	6	0·99	25	- 2	Rothesay	1·0	—	14	2	23	38·7	—	43·1	-0·9
a Kilmarnock	90	53	25th	21	23rd	46·0	32·9	39·7	+ 0·8	6	1·00	26	+ 6	Kilmarnock	0·9	—	12	—	—	37·4	—	43·9	—
a Colmonell	170	53	24, 25	24	23rd	48·3	36·7	42·7	+ 2·2	6	0·71	18	- 9	Colmonell	—	—	—	2	19	—	—	—	—
p Dumfries	160	53	25th	24	23rd	45·1	33·7	39·6	+ 0·9	5	1·01	26	+ 7	Dumfries	1·1	—	16	3	18	36·9	- 2·9	42·1	- 0·8
a Eskdalemuir	784	50	25th	19	24th	42·3	27·4	35·2	—	6	1·55	39	—	Eskdalemuir	1·2	—	17	4	14	—	—	—	—
b, I. OF MAN p Douglas	284	53	25th	32	23rd	47·4	38·7	43·2	+ 1·2	6	0·96	25	+ 1	Douglas	0·9	- 0·3	12	1	26	—	—	—	—
2. ENGLAND, N.E.																							
a North: a Alnwick Castle	210	52	24th	25	19th	46·0	31·3	38·9	+ 0·5	3	0·28	7	- 7										
a Tynemouth	118	50	25th	31	19th	45·1	34·6	40·1	+ 1·0	3	0·20	5	- 5	Cockle Park	1·8	+ 0·4	25	4	19	37·0	- 1·0	41·0	- 0·5
p Durham	336	50	25th	26	19th	44·7	32·7	38·9	+ 1·3	3	0·20	5	- 5	Durham	1·8	+ 0·6	26	5	12	—	—	—	—
p Rounton	249	51	24th	27	23rd	43·3	34·4	39·0	+ 1·4	2	0·11	3	- 7	Rounton	—	—	—	5	17	37·9	—	—	—
a West Witton	605	52	24th	29	23rd	44·6	32·4	38·7	—	4	0·65	17	—	West Witton	—	—	—	5	22	36·6	—	42·1	—
p Scarborough	118	55	25th	34	23rd	46·1	37·6	42·0	+ 2·7	2	0·10	3	- 8	Scarborough	1·3	+ 0·3	17	—	—	—	—	43·0	—
p York	56	53	25th	29	23rd	45·3	36·6	41·1	+ 2·6	3	0·26	7	- 3	York	0·6	- 0·1	8	—	—	39·8	- 1·3	44·4	- 0·1
b, South: a Spurn Head	26	51	24th	32	19, 20	44·9	35·1	40·2	+ 0·6	4	0·30	8	- 1	Spurn Head	—	—	—	—	—	—	—	—	—
a Lincoln	58	54	24th	31	23rd	45·3	35·0	40·4	+ 2·4	2	0·36	9	- 1	Lincoln	—	—	—	2	27	38·3	- 1·8	43·4	- 1·1
a Fulbeck	180	54	24th	28	23rd	45·1	33·0	39·3	+ 1·2	3	0·42	11	0	Fulbeck	1·0	- 0·2	13	2	24	—	—	—	—
														Skegness	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	54	24th	32	20, 21, 23	45·1	34·1	39·8	+ 0·8	4	0·19	5	- 3	Cromer	1·4	- 0·2	18	—	—	—	—	—	—
a Little Massingham	277	53	24th	29	23rd	44·4	32·3	38·6	+ 0·8	5	0·46	12	+ 1	Lit. Massingham	1·1	- 0·2	14	—	—	—	—	—	—
a Yarmouth	13	55	24th	34	21, 23	46·3	37·4	42·0	+ 3·1	6	0·38	10	0	Yarmouth	1·1	—	14	0	31	41·0	- 0·3	45·0	- 0·7
a Norwich	93	54	24th	31	23, 24	45·4	35·0	40·4	+ 2·1	5	0·37	8	- 1	Norwich	0·9	—	12	5	24	37·4	—	—	—
a Geldeston	37	57	25th	30	24th	47·6	34·4	41·3	+ 2·3	4	0·33	8	- 1	Geldeston	1·0	- 0·5	13	—	—	—	—	—	—
p Cambridge	41	56	25th	30	23rd	46·6	34·7	40·9	+ 2·5	4	0·43	11	+ 4	Cambridge	1·0	- 0·3	13	3	24	39·8	- 1·7	44·6	- 1·1
a Clacton-on-Sea	54	51	24th	36	20th	44·0	38·3	41·3	+ 2·2	5	0·59	15	+ 8	Clacton	0·9	- 0·7	12	0	34	40·0	- 3·1	44·9	- 2·2
a Rothamsted	420	53	24th	30	24th	45·7	35·4	40·8	+ 2·4	5	0·60	15	+ 4	Rothamsted	1·1	- 0·3	14	1	24	38·5	—	—	—
p Tottenham	51	—	—	—	—	—	—	—	—	—	—	—	—	Tottenham	—	—	—	—	—	—	—	—	—
														S'thend-on-Sea	1·2	—	16	2	29	39·8	—	—	—
4. MIDLAND COUNTIES.																							
a North: a Harrogate	479	51	24, 25	29	23rd	44·0	33·6	39·0	+ 1·5	4	0·49	13	+ 1	Harrogate	1·1	- 0·2	15	3	22	38·1	- 2·4	41·7	- 0·7
p Sheffield	429	54	24, 25	33	20, 23	45·7	37·1	41·6	—	5	0·70	18	—	Sheffield	0·3	- 0·8	4	2	27	38·0	- 2·5	42·6	- 1·8
p Buxton	987	—	—	—	—	—	—	—	—	—	—	—	—	Buxton	—	—	—	—	—	—	—	—	—
b, East: a Worksop	56	54	24th	28	23rd	46·3	33·9	40·4	+ 2·1	2	0·46	12	+ 2	Worksop	0·7	- 0·2	10	2	20	38·8	—	42·8	—
a Nottingham	82	54	24th	29	23rd	46·4	34·3	40·6	+ 1·9	5	0·46	12	+ 2	Nottingham	0·6	- 0·3	8	2	27	37·9	- 2·0	40·7	- 2·3
p Birmingham, Edgbn.	525	53	24, 25	30	23rd	44·9	36·0	40·6	+ 2·0	4	0·52	13	+ 2	Birmingham	0·3	- 0·6	3	2	24	39·7	- 2·5	45·2	- 1·0
a Raunds	203	55	24th	30	23rd	46·9	34·4	40·9	+ 3·3	5	0·41	11	+ 1	Raunds	1·3	—	17	2	26	39·0	—	—	—
p Oxford	208	55	24 25	33	19th	46·6	38·0	42·5	+ 3·1	6	0·72	18	+ 8	Oxford	0·7	- 0·6	9	0	31	—	—	—	—
														Malvern	—	—	—	—	—	—	—	—	—
c, West: a Cheadle (N. Staffs.)	646	51	24th	31	20, 21, 24	44·7	33·4	39·3	+ 2·0	3	0·77	20	+ 6	Cheadle	—	—	—	4	25	—	—	—	—
p Tenbury	313	55	24, 25	29	23rd	46·0	36·1	41·3	+ 1·7	5	0·82	21	+ 12	Tenbury	—	—	—	2	24	38·3	—	—	—
a Hereford	291	—	—	—	—	—	—	—	—	—	—	—	—	Ross-on-Wye	1·1	—	15	3	27	38·0	—	43·7	—
a Clifton	225	54	24th	30	19th	47·9	35·4	41·9	+ 1·1	5	1·26	32	+ 16	Clifton	0·9	—	11	1	30	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	54	24th	32	19th	46·9	38·4	42·8	+ 4·7	5	1·09	28	+ 13	Worthing	1·5	- 0·4	20	0	33	40·7	- 2·6	45·0	- 2·5
p Wilton Ho.*	180	55	24th	34	19, 20, 23	47·6	37·7	42·9	+ 4·2	6	1·20	30	+ 13	Marlborough	0·7	- 0·6	8	1	30	40·8	—	45·1	—
a Wisley, Surrey	160	—	—	35	19-21	48·0	38·0	43·2	+ 4·0	6	0·78	20	+ 9	Wilton Ho.	—	—	—	0	32	39·6	—	—	—
a Tunbridge Wells	354	53	24th	34	20th	47·3	37·7	42·7	+ 3·4	5	0·89	23	+ 9	Wisley	1·3	- 0·2	17	3	29	40·1	- 2·2	44·0	- 2·0
a Margate	51	55	24th	36	20th	48·3	39·6	44·1	+ 3·7	3	0·61	16	+ 7	Tunbridge Wells	0·9	- 0·5	12	1	28	40·6	- 1·3	44·2	—
														Margate	0·9	- 0·6	12	0	32	41·1	- 2·8	44·4	- 2·0
a Dungeness	21	52	24th	35	20th	46·7	39·3	43·2	+ 2·3	5	1·06	27	+ 15	Folkestone	0·9	—	12	—	—	—	—	45·1	—
p St. Leonards	178	51	24, 25	36	20th	46·8	40·0	43·4	+ 2·5	6	1·84	47	+ 34	St. Leonards	1·2	- 0·8	15	0	32	40·2	—	45·2	—
p Southampton	64	54	24th	33	20th	47·6	36·9	42·5	+ 1·5	6	1·13	29	+ 14	Southampton	1·6	- 0·1	20	0	31	—	—	—	—
a Ventnor	59	52	23, 24	36	19, 20	47·7	39·6	43·8	+ 0·7	6	1·09	28	+ 14	Ventnor	1·5	- 0·3	19	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	54	24th	35	24th	47·3	38·6	43·1	+ 3·5	5	0·87	22	+ 13	Richmond	1·2	- 0·1	15	1	30	39·0	- 3·1	43·7	- 2·6
a Westminster	27	56	24th	36	24th	48·9	39·7	44·5	+ 3·9	6	0·83	21	+ 12	Westminster	0·7	+ 0·1	9	1	30	—	—	—	—
ag Greenwich	149	56	24th	34	24th	48·0	38·4	43·4	+ 3·8	5	0·76	19	+ 8	Greenwich	1·0	- 0·1	12	1	28	—	—	—	—
a Hampstead	450	53	24th	34	19, 20	45·4	38·0	41·9	—	5	0·80	20	—	Hampstead	1·4	—	18	1	26	—	—	—	—
ag Camden Square	110	56	24th	33	24th	49·1	38.1	43·8	+ 4·1	5	0·87	22	+ 13	Camden Square	—	—	—	1	28	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	55	25th	29	23rd	45·4	34·1	40·0	+ 1·4	5	1·22	31	+ 11	Aspatria	1·1	0·0	15	3	21	38·8	- 2·3	43·0	- 2·0
p Newton Rigg	559	—	—	—	—	—	—	—	—	—	—	—	—	Newton Rigg	—	—	—	—	—	—	—	—	—
p Stonyhurst	375	51	24, 25	31	23rd	45·1	34·7	40·1	+ 1·4	6	1·15	29	+ 7	Stonyhurst	0·7	- 0·1	10	3	24	—	—	—	—
a Blackpool	66	52	24th	27	23rd	46·0	34·6	40·5	+ 0·8	5	0·92	23	+ 8	Blackpool	0·8	- 0·2	11	2	23	39·8	—	44·9	—
a Southport	37	52	24th	29	23rd	46·0	34·3	40·4	+ 0·6	5	1·13	29	+ 15	Southport	0·5	- 0·5	7	3	20	36·3	- 3·5	41·1	- 1·7
														Hoylake	1·0	- 0·3	14	—	—	—	—	—	—
a Liverpool (Bidston)	188	53	24, 25	31	20, 21	46·4	34·4	40·6	+ 0·1	4	0·87	22	+ 10	Liverpool	1·2	—	16	4	25	—	—	—	—
a Hawarden Bridge	22	55	24, 25	28	24th	47·7	34·3	41·3	+ 0·1	5	0·64	16	+ 6	Manchester (City)	0·0	- 0·2	0	1	30	37·6	- 3·3	43·7	- 1·5
p Manchester (Whit. Pk.)	126	53	25th	31	23rd	45·3	37·9	41·8	+ 1·8	5	1·11	28	+ 14	Whitworth Park	0·0	- 0·4	0	—	—	—	—	—	—
9. NORTH WALES.																							
p Llandudno	22	59	25th	27	23rd	49·3	36·4	43·1	+ 0·6	5	0·73	19	+ 5	Llandudno	1·2	- 0·1	17	—	—	—	—	—	—
a Holyhead	15	54	25th	28	19th	49·0	37·6	43·5	+ 0·5	5	1·42	36	+ 17	Holyhead	1·2	—	16	0	33	—	—	—	—
a Aberdovey	60	58	25th	35	19, 20	49·1	39·6	44·5	—	5	1·07	27	—	Aberdovey	1·2	0·0	16	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1926.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest	Date	Lowest	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft. Mean.	Deviation from average.	Earth 4 ft. Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F		in.	mm.	mm.			hr.	hr.	%		°F.	°F.	°F.	°F.
c. a. SOUTH WALES.																						
a Aberystwyth	16	56	25th	32	23rd	50·1	39·7	45·1	—	5	0·73	19	—	Aberystwyth ..		0·2	- 0·9	3	—	—	—	—	—
a Rhayader	757	53	24, 25	29	20, 24	47·1	34·1	40·9	—	6	1·41	36	—	Rhayader ..		0·6	—	7	3	22	—	—	—
a St. Ann's Head ..	149	54	25th	36	23, 24	50·6	41·0	46·0	+ 1·7	5	1·46	37	+ 17	St. Ann's Head ..		1·2	- 0·2	15	—	—	—	—	—
p Cardiff	202	54	24, 25	33	20, 23	46·9	37·3	42·3	+ 1·8	6	1·85	47	+ 25	Cardiff		1·3	—	17	3	27	38·9	- 3·3	44·6	- 1·6
b, ENGLAND, S.W.																						
a Bath	66	56	24th	34	24th	50·1	37·1	43·9	+ 3·4	5	1·22	31	+ 16	Bath		1·0	- 0·4	12	—	—	39·8	- 3·8	44·9	- 2·3
a Shaftesbury	722	52	23, 24	31	19, 20	46·7	33·9	40·6	+ 1·5	6	0·74	19	+ 3	Shaftesbury ..		—	—	—	—	—	38·6	—	44·1	—
a Arlington	613	57	25th	32	23, 24	49·1	36·5	43·1	+ 2·5	5	2·65	67	+ 37											
a Newquay	190	58	25th	31	20th	50·9	38·8	45·1	0·0	6	1·17	30	+ 11	Newquay ..		1·4	- 0·2	18	1	26	42·6	—	47·3	—
a Cullompton	202	56	24th	28	20th	50·0	35·3	42·9	+ 2·0	6	1·43	36	+ 16	Cullompton ..		1·2	0·0	16	4	21	40·4	—	—	—
a Portland Bill ..	19	53	24, 25	32	20th	49·4	38·4	44·1	- 0·2	6	0·88	22	+ 9	Weymouth ..		1·7	—	22	—	—	—	—	—	—
p Plymouth	116	56	25th	33	20th	49·6	41·6	45·8	+ 2·0	6	1·40	36	+ 14	Plymouth ..		1·3	- 0·3	17	2	28	40·6	- 4·7	48·3	—
a Falmouth	167	56	25th	33	20th	50·6	38·6	44·8	0·0	5	1·91	49	+ 21	Falmouth ..		1·1	- 0·7	14	1	24	43·0	—	46·8	—
9. IRELAND, N.																						
a West .. a Malin Head	208	55	25th	30	19th	47·1	36·7	42·1	- 0·2	7	0·55	14	- 4	Malin Head ..		1·3	—	18	—	—	—	—	—	—
a Blacksod Point	10	—	—	33	24th	—	39·9	—	—	—	—	—	—	Mallarany ..		—	—	—	—	—	—	—	—	—
a Mallarany	120	—	—	—	—	—	—	—	—	—	—	—	—	Markree Castle		0·6	- 0·4	8	2	18	39·2	- 3·4	45·1	- 1·4
p Markree Castle ..	122	57	25th	22	23rd	47·4	34·1	41·0	+ 0·5	6	1·26	32	+ 7											
b, East .. p Armagh	204	55	25th	24	23rd	47·1	35·9	41·7	+ 1·5	6	0·58	15	- 1	Armagh		1·2	+ 0·1	17	2	17	39·8	- 1·9	44·1	- 1·1
a Donaghadee ..	35	53	24, 25	32	19, 23	48·9	37·4	43·4	+ 1·7	6	0·63	16	- 1											
10. IRELAND, S.																						
p Dublin, City	54	57	25th	32	23rd	48·9	40·0	44·6	+ 2·2	5	0·55	14	+ 1	Trinity Coll. ..		0·6	—	8	2	22	41·7	- 0·8	45·2	- 0·2
a Birr Castle	175	55	25th	29	19, 24	49·0	37·0	43·2	+ 2·7	6	0·95	24	+ 6	Phœnix Park ..		1·1	- 0·5	14	1	27	—	—	—	—
a Kilkenny	195	55	25th	33	19th	50·4	38·6	44·7	+ 4·1	6	1·03	26	+ 7	Dublin City ..		—	—	—	1	27	—	—	—	—
a Waterford	137	54	25th	35	23, 24	49·9	39·6	45·0	+ 2·4	6	1·31	33	+ 8	Birr Castle ..		0·8	- 0·6	11	3	26	—	—	—	—
p Seskin, Carrick-on-Suir	542	53	24th	32	23rd	47·0	39·9	43·6	—	7	1·23	31	—	Seskin		1·1	—	14	1	27	—	—	—	—
a Cahir	199	—	—	—	—	—	—	—	—	—	—	—	—											
a Foynes	50	—	—	—	—	—	—	—	—	—	—	—	—											
a Cahirciveen (Val. Obs.)	30	56	25th	31	24th	51·7	40·9	46·5	+ 1·2	7	2·20	56	+ 20	Cahirciveen ..		0·4	- 0·9	5	1	26	—	—	—	—
a Killarney	174	56	25th	31	23th	50·6	—	—	—	7	1·97	50	+ 11	Ballinacurra ..		0·7	- 0·7	9	—	—	—	—	—	—
a Roche's Point ..	32	54	25th	36	23, 24	50·1	41·3	45·9	+ 1·4	7	1·97	50	+ 21											
11. ENGLISH CHANNEL.																						
a Scilly, St. Mary's ..	131	57	25th	41	19, 20	52·0	45·3	48·8	+ 1·9	5	0·75	19	+ 2	Scilly		0·7	- 1·1	8	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	55	24th	30	19th	48·9	40·7	45·0	+ 0·5	5	0·48	12	- 4	St. Heliers ..		1·1	- 0·7	13	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	54	23, 24	34	19th	49·7	41·9	46·0	+ 1·4	6	1·15	29	+ 11	Guernsey† ..		0·7	- 1·0	9	1	30	43·5	- 3·0	47·2	- 2·2

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brooklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, December 25th, 1920.

DISTRICT AND STATION.	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Duration.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Duration.	6 to 10 m/s. Duration.	2 to 5 m/s. Duration.	Less than 2 m/s. Duration	No Record. Duration.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m./s..	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	—	0	20 to 22	21	74	69	4	0	340	16	22	9	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	26	84	49	9	230	10	21	18	21	21	17	5
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	21	1	35	111	21	0	220	11	21	18	—	—	—	—
Edinburgh	485	39	31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. SCOTLAND, W.																			
Eskdalemuir	825	50	22	21	1	21, 22, 25	31	32	60	44	0	190	18	21	12	25	21	12	5
Paisley	188	81	15	—	0	21, 25	9	49	59	51	0	180	13	21	11	25	21	11	35
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	17	95	56	0	180	9	21	8	16	21	10	55
South Shields	72	61	12	—	0	—	0	30	105	33	0	290	10	22	12	17	21	15	40
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	21, 24	9	82	67	10	0	200	13	21	10	19	21	9	5
Shoeburyness	103	90	‡	—	0	21	8	88	54	18	0	200	12	21	13	15	21	13	35
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	21, 24	7	70	61	23	7	200	12	21	10	18	21	10	20
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	69	66	39	0	—	11	21	13	18	21	12	20
S. Farnboro' (Pyestk Tr)	443	152	‡	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	63	43	—	0	21, 24	7	110	51	0	0	210	14	21	10	18	21	9	0
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	49	98	21	—	200	9	21	12	16	21	11	25
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	20 to 22	15	77	49	8	19	300	13	22	12	—	—	—	—
Southport	80	62	48	—	0	21, 22	12	84	68	4	0	250	15	22	7	22	22	9	10
Holyhead	60	40	‡	—	0	20 to 22, 25	51	66	50	1	0	270	17	22	8	23	21	8	55
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	21	2	20 to 25	74	47	27	18	0	200	18	21	5	24	21	5	35
Plymouth	185	88	2	21	1	20 to 25	50	59	51	7	0	—	19	21	6	25	21	6	40
Lyme Regis	556	61	‡	—	0	—	0	49	44	75	0	—	11	21	6	17	21	7	25
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	22	1	21 to 23, 25	29	70	53	15	0	240	18	22	7	—	—	—	—
Quilty	100	40	‡‡	21	4	20 to 23, 25	43	99	21	1	0	—	21	21	6	20	21	5	45
Cahirciveen (Val Obs.)	98	41	‡‡	21, 25	2	20, 21, 23 to 25	41	90	26	9	0	200	17	25	17	28	25	17	35
Weaver Pt.	160	30	‡	25	2	19 to 21, 23 to 25	57	76	33	0	0	—	18	25	18	24	21	13	35
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	22	1	21 to 23	22	95	23	25	2	280	18	22	21	27	22	21	25

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.R.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. * Above tops of trees.
¶ Tube Anemograph out of action since Feb. 5th, 1920. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-FIRST WEEK of 1920—December 19th to December 25th, 1920.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.		Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	56	18	80·1	73·5	76·9	− 0·1	8	− 2	36	+ 7	5	0	1·75	44	+ 16	0·1	−0·6	2	994
Eastern.																			
1. SCOTLAND, EAST ...	54	13	78·9	71·8	75·6	− 0·6	2	− 6	45	+ 7	5	+ 1	0·68	17	+ 3	1·7	+0·7	25	997
2. ENGLAND, N.E.	55	25	80·3	74·4	77·4	+ 0·6	9	0	30	0	3	− 1	0·25	6	− 5	1·3	+0·2	18	1003
3. ENGLAND, EAST ...	57	29	80·6	74·8	77·8	+ 1·0	10	0	28	− 5	5	+ 1	0·42	11	+ 2	1·1	−0·3	14	1007
4. MIDLAND COUNTIES ...	55	28	80·8	74·7	77·8	+ 1·1	11	0	29	− 6	4	0	0·66	17	+ 6	0·7	−0·4	9	1005
5. ENGLAND, S.E.	55	32	81·5	76·7	79·2	+ 1·5	22	+ 8	9	−15	5	+ 2	1·06	27	+ 14	1·2	−0·4	15	1007
Western.																			
6. SCOTLAND, WEST ...	53	20	80·9	74·8	78·0	+ 0·3	12	0	28	+ 5	6	+ 2	1·04	27	0	0·8	−0·1	11	999
7. ENGLAND, N.W.	59	27	81·2	74·9	78·2	+ 0·6	13	+ 1	28	+ 4	5	+ 1	1·03	26	+ 9	1·0	−0·1	14	1001
8. ENGLAND, S.W.	57	28	82·4	76·0	79·3	+ 0·6	29	+ 11	13	− 3	6	+ 2	1·50	38	+ 16	1·0	−0·4	13	1005
9. IRELAND, NORTH ...	57	22	81·8	75·3	78·7	+ 0·5	26	+ 12	16	− 4	6	+ 1	0·79	20	− 1	0·9	−0·2	13	996
10. IRELAND, SOUTH ...	57	29	83·1	77·2	80·2	+ 1·2	31	+ 9	7	− 8	6	+ 1	1·43	36	+ 11	0·8	−0·7	10	999
11. ENGLISH CHANNEL ...	57	30	83·1	78·9	81·1	+ 0·5	32	+ 1	0	− 4	5	0	0·79	20	+ 3	0·8	−0·9	10	1007

THE SEASON (Winter).—Aggregates, &c., for the Period of 4 Weeks, November 28th to December 25th, 1920.

0. SCOTLAND, NORTH ...	56	18	79·4	74·4	77·0	− 0·1	29	− 11	111	+ 2	15	− 7	3·64	92	− 55	0·4	−0·3	7	1014
Eastern.																			
1. SCOTLAND, EAST ...	54	11	78·2	73·0	75·8	− 0·8	21	− 16	163	+26	16	− 1	2·50	64	− 8	1·6	+0·5	23	1016
2. ENGLAND, N.E.	55	15	79·2	74·8	77·0	− 0·5	32	− 13	114	+10	19	+ 3	2·03	52	− 4	0·9	−0·4	12	1017
3. ENGLAND, EAST ...	57	4	79·1	74·2	76·8	− 0·8	39	− 15	136	+27	23	+ 6	2·11	53	− 2	0·8	−0·6	10	1017
4. MIDLAND COUNTIES ...	57	−1	78·9	73·8	76·5	− 0·8	41	− 13	152	+32	15	− 2	1·75	44	− 20	0·9	−0·3	11	1017
5. ENGLAND, S.E.	56	13	79·8	75·1	77·5	− 1·0	58	− 19	107	+30	18	+ 2	2·43	62	− 12	0·9	−0·6	11	1017
Western.																			
6. SCOTLAND, WEST ...	55	20	79·6	74·7	77·2	− 0·8	39	− 17	115	+34	18	− 1	3·77	97	− 32	0·9	−0·1	12	1017
7. ENGLAND, N.W.	59	19	79·5	74·8	77·3	− 0·9	45	− 15	120	+41	17	− 2	1·98	50	− 40	1·3	+0·2	17	1016
8. ENGLAND, S.W.	58	15	80·0	75·0	77·6	− 1·6	65	− 26	113	+58	15	− 4	3·19	81	− 34	1·7	+0·2	21	1017
9. IRELAND, NORTH ...	57	21	80·4	74·6	77·6	− 0·8	63	− 1	104	+28	17	− 4	2·76	70	− 23	1·8	+0·5	23	1014
10. IRELAND, SOUTH ...	58	16	80·8	75·1	78·1	− 1·2	73	− 24	97	+39	15	− 5	3·46	87	− 17	1·7	+0·2	22	1016
11. ENGLISH CHANNEL ...	57	28	81·9	78·2	80·1	− 1·1	111	− 35	32	+19	20	− 1	2·74	69	− 32	1·3	−0·5	16	1017

THE YEAR 1920.—Aggregates, &c., for the Period of 51 Weeks, January 4th to December 25th, 1920.

0. SCOTLAND, NORTH ...	79	18	84·2	78·1	81·0	+ 0·4	2157	+ 56	531	−211	220	−21	53·68	1364	+ 95	3·4	+0·3	27	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	11	84·6	77·5	80·9	+ 0·1	2235	− 84	706	−169	201	− 2	30·87	783	+ 10	3·8	+0·1	30	1011
2. ENGLAND, N.E.	79	15	85·8	78·8	82·2	+ 0·5	2831	+152	450	−191	185	+ 1	24·72	630	+ 10	3·6	−0·4	30	1014
3. ENGLAND, EAST ...	84	4	86·9	79·0	82·8	+ 0·5	3242	+161	514	−157	173	− 7	20·45	522	− 71	4·3	−0·1	35	1016
4. MIDLAND COUNTIES ...	82	−1	86·6	78·7	82·4	+ 0·4	2988	+ 16	504	−231	190	+11	29·19	742	+ 79	3·3	−0·6	26	1016
5. ENGLAND, S.E.	81	13	87·0	79·8	83·1	+ 0·2	3422	+102	319	−186	169	− 6	25·51	652	− 32	4·1	−0·5	33	1016
Western.																			
6. SCOTLAND, WEST ...	80	20	85·1	79·0	81·9	+ 0·3	2623	+ 43	410	−158	232	+19	50·02	1272	+102	3·2	−0·6	26	1013
7. ENGLAND, N.W.	81	19	85·6	79·6	82·5	+ 0·4	2930	+113	339	−172	207	+10	37·69	958	+ 80	3·5	−0·5	28	1014
8. ENGLAND, S.W.	78	15	86·3	80·0	83·0	+ 0·2	3184	+ 20	265	−130	198	+ 1	38·86	986	+ 18	3·7	−0·7	30	1016
9. IRELAND, NORTH ...	77	21	85·6	79·2	82·3	+ 0·3	2814	+119	347	−125	246	+12	39·65	1007	+ 58	3·2	−0·4	26	1011
10. IRELAND, SOUTH ...	78	16	86·4	80·0	83·1	+ 0·3	3182	+ 43	244	−120	233	+24	43·12	1094	+103	3·5	−0·5	28	1014
11. ENGLISH CHANNEL ...	75	28	87·0	82·2	84·5	+ 0·3	3897	+113	52	− 69	178	−28	28·52	722	− 94	4·7	−0·5	38	1017
	°F.	°F	a.	a.	a.	a.	day-deg. F.	day-deg. F.	day-deg. F	day-deg. F			inches	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON : G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
31st December 1920.

METEOROLOGICAL OFFICE LIBRARY

FOR OFFICIAL USE.

WEEKLY WEATHER REPORT OF THE METEOROLOGICAL OFFICE.

ISSUED BY THE AUTHORITY OF THE METEOROLOGICAL COMMITTEE.

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FORTY-THIRD YEAR. Vol. XXXVII. (New Series.) } No. 52.

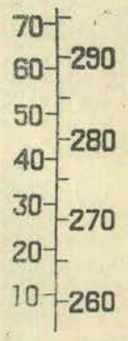
FIFTY-SECOND WEEK.

SUNDAY, DECEMBER 26TH, 1920, TO SATURDAY, JANUARY 1ST, 1921.

Price 6d. Net, Post free 6½d. Annual Subscription (including the Monthly Weather Report), £1 10s. d. Net.

I.—GENERAL SUMMARY. [First published in 1878.]

Throughout the week the weather over the British Isles was affected by a strong current of air from the south-west, except in Scotland, where conditions were modified in the second half of the week by a secondary depression over the North Sea. Overcast skies were general, and the rainfall heavy. Temperature was unusually high for the time of the year, June nights succeeding April days. Maxima of 286 a were reported generally, the highest being about 289 a at Raunds, Geldeston (near Beccles) and Shaftesbury on the 26th. The lowest minima in Scotland occurred on or about the 31st when readings of 270 a were reported at Strathpeffer and Balmoral. During the early days of the period at many places in the south-east and south-west of England the night minima did not descend below 283 a (50° F.). Mean temperature was in excess of the normal by as much as 12° F. at several stations in the Midland Counties and England S.E. On the grass the thermometer went down to 268 a at Aspatria, Crathes and Dundee. Rain fell on each day of the week at most stations; amongst the largest measurements were 45mm. at Waterford on January 1st, 33mm. at Colmonel on the 29th December, and 31mm. at Cahirciveen (Valencia Observatory) on the 30th December; the total amount for the week was in excess of the normal in all districts except in Scotland N., and ranged from + 27mm. in the Midland Counties to + 11mm in England E. and Ireland N. Thunderstorms were reported at Little Massingham, Norwich, Raunds and Tenbury on the 28th. At several stations in England E. over five hours of sunshine were registered on the 26th, but the mean for the week was about normal in most districts. Aurora Borealis was witnessed at Seskin (Carrick-on-Suir) on the 31st. A solar halo was observed at Oxford on the 30th and lunar halos on several days in different parts of the country.



Temperature Scales

II.—WIND COMPONENTS.—FREQUENCIES (at 3h., 9h., 15h., 21h.) AND MEAN VALUES. [First published 1916.]

Wind Component from	Scotland, N.* Deerness.		Edinburgh. Blackford Hill.		England, E.† Shoeburyness.		London. Richmond.		North Wales. Holyhead.		England, S.W. Scilly.		Dublin. Kingstown.		Ireland, S.W. Cahirciveen.	
	Frequency (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency. (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.	Frequency (Max. 28.)	Mean Value.
	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s	¼-day	m/s
South	24	4·5	18	4·1	—	—	27	4·4	27	5·0	27	7·1	26	4·7	27	5·6
North	2	2·8	2	0·9	—	—	0	—	0	—	0	—	2	3·1	0	—
West	7	1·8	14	4·1	—	—	19	2·3	19	3·1	18	5·5	9	3·4	7	2·0
East	17	6·0	6	3·2	—	—	5	3·7	7	3·3	6	4·1	16	4·1	14	3·4
Calm	2	—	6	—	—	—	1	—	1	—	0	—	0	—	0	—

* For Deerness the week ends at midnight on Friday. † Until the end of March, 1919, England E. was represented by Yarmouth.

III.—WARMTH, RAINFALL AND SUNSHINE.

THE WEEK.—COMPARISON WITH NORMAL. [First published 1907.]

An explanation of the terms "Unusual," &c., is printed on a separate sheet, *see below*, Note (1).

		Districts of the British Isles											
		Extreme N.	Eastern Section.					Western Section.					Extreme S.
		0. Scotland, N.	1. Scotland, E.	2. England, N.E.	3. England, E.	4. Midland Counties.	5. England, S.E.	6. Scotland, W.	7. England, N.W.	8. England, S.W.	9. Ireland, N.	10. Ireland, S.	11. English Channel.
Comparison with normal for the time of year ...	Warmth ...	Unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Unusual	Very unusual	Very unusual	Very unusual	Very unusual	Very unusual
	Rainfall ...	Moderate	Heavy	Very heavy	Very Heavy	Very heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy	Heavy
	Sunshine ...	Scanty	Abundant	Moderate	Moderate	Moderate	Moderate	Moderate	Moderate	Scanty	Moderate	Moderate	Scanty

THE SEASON.—ENUMERATION OF THE CHARACTERS OF THE WEEKS ALREADY ELAPSED.

In the column for each district the first figure in the line for warmth denotes the number of weeks of unusual warmth, the last figure the number of weeks of deficient warmth. The middle figure, in small type, shows the number of "moderate" weeks. Rainfall and sunshine are similarly dealt with.

WINTER. 5 weeks from November 28th, 1920.	Warmth ...	2, 2, 1	2, 1, 2	2, 2, 1	3, 1, 1	2, 2, 1	3, 0, 2	2, 1, 2	2, 2, 1	3, 0, 2	3, 1, 1	3, 0, 2	2, 1, 2
	Rainfall ...	1, 2, 2	2, 1, 2	2, 2, 1	2, 3, 0	2, 1, 2	3, 0, 2	2, 1, 2	2, 1, 2	3, 0, 2	2, 1, 2	3, 0, 2	1, 2, 2
	Sunshine ...	0, 2, 3	4, 1, 0	0, 3, 2	0, 2, 3	0, 3, 2	0, 3, 2	0, 4, 1	1, 4, 0	1, 3, 1	3, 2, 0	1, 3, 1	0, 2, 3

NOTES.

(1) Notes explanatory of the Tables are published in a separate sheet. A copy of this will be supplied free of charge to any purchaser of the Report upon application to the Meteorological Office.

(2) Tables for converting from degrees Fahrenheit to degrees Absolute (a.), from inches to millimetres (mm.), from mercury inches to millibars (mb.), and from miles per hour to metres per second (m/s), may be obtained upon application to the Meteorological Office.

(3) The following are the relations between the metric units used in the Report and the corresponding units used before 1914:—
Increment of 1 a. = increment of $\frac{9}{5}$° F., 273 a. = 0° C. = 32° F., 1 mm. = ·04 (·0394) inch, 1000 mb. = 29·531 mercury inches, 1 m/s. = 2·24 miles per hour.

(31556—19) Wt. 24—561/T25 500 1/21 H. St. G. 17/36

IV.—TEMPERATURE, RAINFALL AND SUNSHINE AT STATIONS IN THE UNITED KINGDOM.

[TEMPERATURE and RAINFALL, first published in 1878, SUNSHINE in 1880, GROUND TEMPERATURE in 1906.]

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit.								Rainfall.				STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day.			Ground Temperature.					
		Highest	Date.	Lowest.	Date.	Mean for the Week. Of Daily Max.	Of Daily Min.	Daily Mean.	Deviation from Normal.	No. of days of Precipitation.	Rainfall in the Week.		Deviation from Normal.		Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Grass Min. Ground Frosts	Grass Min. Lowest Reading.	Earth 1 ft. Mean.	Earth 1 ft. Deviation from Average.	Earth 4 ft. Mean.	Earth 4 ft. Deviation from Average
	Ft.	°F.		°F.		°F.	°F.	°	pv.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
0. SCOTLAND, N.																							
a, Islands .. a Lerwick	54	50	26-28	40	1st	48·7	42·4	45·7	+ 5·9	6	1·19	30	+ 6										
p Deerness, Orkney ..	165	48	26-28	41	30th	47·4	42·4	45·0	+ 5·3	6	0·96	25	+ 4	Deerness ..	0·0	- 0·6	0	—	—	—	—	—	—
a Stornoway	51	51	26th	35	29th	48·1	41·9	45·1	+ 5·3	7	1·02	26	- 5	Stornoway ..	0·6	- 0·1	9	—	—	—	—	—	—
a Castlebay, Barra I. ..	37	—	—	—	—	—	—	—	—	—	—	—	—	Castlebay ..	—	—	—	—	—	—	—	—	—
b, Mainland. a Wick	81	48	26,1	35	26th	46·6	38·1	42·5	+ 3·8	5	0·80	20	+ 5										
a Strathpeffer	125	54	26th	28	31st	43·7	31·0	37·6	+ 0·1	3	0·96	24	+ 6										
p Glencarron	500	52	26th	32	30th	46·9	37·6	42·4	+ 4·8	6	1·58	40	- 14										
a Fort Augustus	68	54	27th	30	31st	48·1	36·1	42·3	+ 4·2	6	0·77	20	- 10										
p Fort William	171	55	26th	32	30th	48·7	38·4	43·8	+ 4·3	7	1·77	45	- 7										
1. SCOTLAND, E.																							
a Nairn	82	50	26th	30	31st	45·0	34·7	40·1	+ 2·8	6	0·82	8	- 4	Nairn	1·9	—	29	—	—	—	—	—	—
p Gordon Castle	101	53	26th	32	30th	48·1	37·1	42·8	+ 4·5	5	0·43	11	- 2	Gordon Castle ..	1·7	—	26	—	—	—	—	—	—
a Aberdeen	46	50	26th	34	28, 29	46·1	36·7	41·6	+ 3·5	6	0·63	16	0	Aberdeen ..	1·0	- 0·1	14	5	28	—	—	41·9	+0·4
a Balmoral	930	48	26,1	27	31st	43·0	31·9	37·7	+ 3·2	6	0·56	14	- 3	Balmoral ..	—	—	—	5	25	—	—	—	—
p Crieff	432	51	26th	33	31st	46,9	37·3	42·3	+ 5·1	7	2·14	54	+ 30	Crathes	1·1	0·0	16	6	24	35·9	- 0·8	39·3	- 0·2
a Dundee	244	50	26th	32	27th	47·3	35·3	41·5	+ 4·2	6	1·43	36	+ 23	Dundee	1·1	—	17	5	24	36·1	—	—	—
a Leith	30	54	31st	29	28, 29, 31	49·3	40·9	45·3	+ 5·7	6	1·15	29	+ 19	Leith	—	—	—	1	30	—	—	—	—
p Edinburgh	441	54	26th	37	30th	49·6	40·3	45·1	+ 6·6	5	0·96	24	+ 13	Edinburgh ..	1·5	+ 0·3	22	0	31	—	—	—	—
a West Linton	769	51	31st	30	31st	46·7	36·9	42·0	+ 7·5	6	1·49	38	—	West Linton ..	0·7	—	10	2	27	—	—	—	—
p Marchmont	498	51	26th	31	31st	44·9	34·1	39·7	+ 3·0	6	2·24	57	+ 43	Marchmont .	0·9	- 0·1	13	—	—	—	—	—	—
6. a, SCOTLAND, W.																							
a Ford (Argyll)	149	51	26, 31	32	31st	48·6	38·7	43·9	—	6	1·50	38	—	Ford (Argyll) ..	—	—	—	1	26	41·0	—	42·4	—
p Glasgow Observatory	180	53	26th	40	28th	48·3	42·0	45·3	+ 6·2	7	1·67	42	+ 20	Glasgow	0·3	- 0·1	4	0	33	—	—	*	—
a Renfrew	49	52	31st	32	29th	49·0	39·0	44·2	+ 5·4	7	1·89	48	+ 18	Renfrew ..	0·9	—	13	2	29	—	—	—	—
p Rothesay	200	52	26th	40	29-31	48·9	41·7	45·4	+ 5·4	7	1·38	35	+ 6	Rothesay ..	0·9	—	13	0	32	42·0	—	43·9	+0·3
a Kilmarnock	90	52	26, 31	38	28, 29	49·6	42·1	46·0	+ 7·6	7	1·44	37	+ 15	Kilmarnock ..	0·7	—	11	—	—	41·0	—	43·3	—
a Colmoneil	170	54	1st	38	31st	49·9	42·4	46·3	+ 6·4	7	2·47	63	+ 34	Colmoneil ..	—	—	—	0	33	—	—	—	—
p Dumfries	180	53	31st	38	30th	49·7	41·0	45·5	+ 7·1	7	2·26	57	+ 36	Dumfries ..	0·6	—	9	0	33	41·5	+2·1	42·2	- 0·2
a Eskdalemuir	794	50	31st	35	30th	46·9	38·7	43·9	—	7	2·21	56	—	Eskdalemuir ..	0·4	—	6	0	32	—	—	—	—
b, I. OF MAN p Douglas	284	53	31st	41	30th	50·6	44·9	47·9	+ 6·3	6	1·94	49	+ 23	Douglas	1·2	+ 0·1	16	0	38	—	—	—	—
2. ENGLAND, N.E.																							
a Alnwick Castle ..	210	54	31, 1	32	28th	49·1	38·0	43·8	+ 5·7	6	2·02	51	+ 37										
a Tynemouth	118	53	31st	38	28th	49·1	41·7	45·6	+ 6·8	6	1·38	35	+ 25	Cockle Park ..	0·4	- 1·0	5	2	26	40·4	+2·9	41·3	+0·2
p Durham	336	52	31st	34	31st	49·7	37·4	43·8	+ 6·5	7	1,15	29	+ 19	Durham	0·9	- 0·3	13	3	28	—	—	—	—
a North .. p Rounton	249	54	30, 31	35	30th	50·0	39·0	44·7	+ 7·4	6	0·91	23	+ 13	Rounton	—	—	—	6	25	40·4	—	—	—
a West Witton	605	58	31st	36	31st	50·0	40·7	45·5	—	7	1·65	42	—	West Witton ..	—	—	—	3	29	39·9	—	41·7	—
p Scarborough	118	54	31, 1	41	31st	52·4	42·7	47·7	+ 8·7	6	1·26	32	+ 20	Scarborough† ..	0·2	- 0·8	3	—	—	—	—	43·4	—
p York	56	54	31st	40	26, 30, 31	50.7	41·1	46·1	+ 7·9	7	1·06	27	+ 16	York	0·4	- 0·3	6	—	—	42·2	+1·7	44·1	+0·2
a Spurn Head	26	51	26, 29, 31	35	30, 31	49·4	36·4	43·2	+ 4·0	7	1·50	38	+ 29	Spurn Head ..	—	—	—	—	—	—	—	—	—
b, South .. a Lincoln	58	55	31st	40	31st	52·4	42·7	47·7	+10·0	7	1·28	33	+ 23	Lincoln	—	—	—	0	37	42·4	+2·9	43·3	- 0·4
a Fulbeck	180	55	31st	40	31st	52·4	43·0	47·9	+10·1	7	1·53	39	+ 28	Fulbeck ..	1·6	+ 0·4	22	0	36	—	—	—	—
														Skegness ..	1·2	- 0·3	16	—	—	—	—	—	—
3. ENGLAND, E.																							
p Cromer	196	55	31st	36	31st	52·6	40·1	46·6	+ 8·1	7	0·57	14	+ 4	Cromer	1·1	- 0·1	15	—	—	—	—	—	—
a Little Massingham ..	277	53	31st	38	31st	51·0	41·0	46·2	+ 8·9	7	1·03	26	+ 12	Lit. Massingham	1·1	0·0	14	—	—	—	—	—	—
a Yarmouth	13	56	26th	39	27th	53·6	42·3	48·2	+ 9·8	6	0·88	22	+ 10	Yarmouth ..	1·6	—	21	0	32	43·9	+3·4	45·0	- 0·1
a Norwich	93	54	31st	39	31st	52·7	43·0	48·0	+10·2	7	0·98	25	+ 12	Norwich ..	1·5	—	20	0	31	41·7	—	—	—
a Geldeston	37	58	26th	38	31st	54·7	42·0	48·6	+10·1	5	0·80	20	+ 9	Geldeston ..	0·7	- 0·5	10	—	—	—	—	—	—
p Cambridge	41	56	26, 31, 1	40	31, 1	54·4	42·6	48·7	+10·7	6	0·88	22	+ 12	Cambridge ..	1·6	+ 0·5	20	0	31	43·7	+2·9	45·1	+0·1
a Clacton-on-Sea ..	54	52	30th	42	27th	49·7	43·3	46·6	+ 8·0	6	0·78	20	+ 11	Clacton	1·4	+ 0·1	18	0	38	43·5	+1·2	45·3	- 1·2
a Rothamsted	420	54	31st	40	31st	52·4	43·6	48·2	+10·3	7	1·04	26	+ 12	Rothamsted ..	1·5	+ 0·4	20	0	34	42·8	—	—	—
p Tottenham	51	56	31, 1	43	27, 29	54·9	46·3	50·8	—	7	1·19	30	—	Tottenham ..	0·2	—	2	0	39	—	—	45·1	—
														S'thend-on-Sea	1·6	—	21	0	37	43·5	+2·9	—	—
4. MIDLAND COUNTIES.																							
a North .. a Harrogate	479	54	31st	37	28, 31	49·1	40·4	44·9	+ 7·8	6	1·69	43	+ 27	Harrogate ..	0·8	- 0·4	10	0	31	41·3	+1·2	42·0	0·0
p Sheffield	429	55	31st	40	31st	51·9	42·7	47·5	—	7	2·10	53	—	Sheffield	0·6	- 0·4	8	0	34	41·8	+1·7	42·6	- 1·3
p Buxton	987	52	31st	39	31st	47·7	42·3	45·1	+ 9·3	7	2·52	64	+ 33	Buxton	0·5	—	7	0	34	41·0	+2·0	41·7	- 1·8
b, East .. a Worksop	56	56	31st	35	31st	50·7	42·0	46·5	+ 8·6	7	1·52	39	+ 26	Worksop ..	0·3	- 0·6	4	2	28	42·3	—	43·2	—
a Nottingham	82	56	31st	40	31st	52·9	43·7	48·5	+10·2	7	1·77	45	+ 32	Nottingham ..	1·1	+ 0·3	15	0	36	43·6	+4·3	42·0	- 0·4
p Birmingham, Edgbsn.	525	54	31st	43	1st	52·0	44·6	48·5	+10·3	7	1·83	46	+ 31	Birmingham ..	0·8	0·0	11	0	38	45·0	+3·3	45·3	- 0·6
a Raunds	203	60	26th	40	27th	55·0	43·3	49·4	+12·2	5	1·14	29	+ 16	Raunds	1·3	—	17	0	37	43·1	—	—	—
p Oxford	208	56	31st	45	27, 30, 1	54·1	45·9	50·2	+11·2	7	1·41	36	+ 22	Oxford	1·4	+ 0·2	18	0	35	—	—	—	—
														Malvern ..	1·0	—	13	0	39	44·1	—	43·7	—
a Cheadle (N. Staffs.) ..	646	52	29, 31	41	29, 31	50·1	43·0	46·7	+ 9·8	7	2·25	57	+ 39	Cheadle	—	—	—	0	35	—	—	—	—
c, West .. p Tenbury	313	55	31st	44	27th	52·4	45·6	49·1	+ 9·9	7	1·59	40	+ 28	Tenbury	—	—	—	0	38	43·7	—	—	—
a Hereford	291	54	31st	45	26, 27, 31	52·3	45·7	49·1	+10·4	7	1·70	43	+ 27	Ross-on-Wye ..	0·8	—	10	0	38	44·7	—	44·6	—
a Clifton	225	56	31st	45	30th	53·4	46·3	50·0	+ 9·7	7	1·83	47	+ 26	Clifton	1·4	—	18	0	40	—	—	—	—
5. ENGLAND, S.E.																							
a Marlborough	424	54	26, 28, 29	42	30th	52·9	45·4	49·3	+11·2	7	1·66	42	+ 24	Worthing ..	1·3	- 0·2	16	0	40	46·0	+3·6	45·8	- 1·0
p Wilton Ho.*	180	—	—	—	—	—	—	—	—	—	—	—	—	Marlborough ..	1·0	0·0	13	0	32	45·7	—	46·3	—
a Wisley, Surrey ..	150	57	26, 31, 1	46	27, 1	55·1	47·4	51·4	+12·3	7	0·79	20	+ 7	Wilton Ho. ..	—	—	—	—	—	—	—	—	—
a Tunbridge Wells ..	354	55	26th	44	27th	53·7	47·1	50·5	+11·4	7	1·28	33	+ 15	Wisley	1·6	+ 0·4	20	0	33	44·9	+3·3	44·9	- 0·5
a Margate	51	56	29, 31	45	27th	55·0	46·7	51·0	+10·7	6	0·43	11	- 1	Tunbridge Wells	1·0	- 0·2	12	0	38	45·2	+4·2	44·9	—
														Margate	0·6	- 0·6	8	0	40	45·8	+2·6	45·5	- 0·6
a Dungeness	21	54	29th	47	26th	52·6	48·4	50·6	+ 9·9	6	0·80	20	+ 6	Folkestone ..	—	—	—	—	—	—	—	—	—
p St. Leonards	178	53	26-31, 1	47	26, 27	53·0	48·0	50·6	+ 9·8	7	1·31	33	+ 17	St. Leonards ..	1·1	- 0·4	14	0	39	45·4	—	45·2	—
a Southampton	64	57	26th	45	27th	54·1	46·6	50·5	+ 9·6	7	1·63	41	+ 22	Southampton ..	1·2	- 0·1	16	0	37	—	—	—	—
a Ventnor	50	54	26th	47	27th	52·3	48·2	50·3	+ 7·4	7	1·77	45	+ 28	Ventnor	0·7	- 0·8	8	—	—	—	—	—	—
LONDON. a Richmond (Kew Obs.)	18	56	31st	43	1st	54·1	46·9	50·6	+11·0	6	0·69	17	+ 5	Richmond ..	1·5	+ 0·5	19	0	36	44·4	+2·9	44·2	- 1·6
a Westminster	27	57	31st	45	27, 1	55·5	47·4	51·6	+11·1	7	0·73	19	+ 8	Westminster ..	1·1	+ 0·7	14	0	37	—	—	—	—
ag Greenwich	149	56	31st	42	27th	54·7	46·0	50·5	+10·9	6	0·65	17	+ 7	Greenwich ..	1·7	+ 0·6	22	0	35	—	—	—	—
a Hampstead	450	54	31st	43	26, 27	53·1	45·6	49·5	—	7	1·04	26	—	Hampstead ..	1·0	—	13	0	37	—	—	—	—
ag Camden Square ..	110	57?	31st	42	27th	54.7	46.3	50·7	+11·1	7	0·92	23	+ 10	Camden Square	—	—	—	0	36	—	—	—	—
7. a, ENGLAND, N.W.																							
p Aspatria (Mealsgate)	487	53	26, 31	32	27th	49·9	38·7	44·5	+ 6·2	6	0·93	24	+ 3	Aspatria	0·0	- 1·0	0	1	23	43·1	+2·3	43·8	- 0·8
p Newton Rigg	559	—	—	—	—	—	—	—	—	7	1·00	25	+ 4	Newton Rigg ..	0·4	- 0·6	5	1	30	—	—	—	—
p Stonyhurst	375	54	31st	40	31st	50·7	43·6	47·3	+ 9·0	6	2·06	52	+ 27	Stonyhurst ..	0·7	0·0	10	0	34	—	—	—	—
a Blackpool	66	53	31st	42	28, 31	50·9	43·6	47·4	+ 8·1	5	1·39	35	+ 19	Blackpool ..	1·0	0·0	13	0	38	43·0	—	44·6	—
a Southport	37	55	31st	41	28th	50·9	43·3	47·3	+ 7·9	4	1·36	35	+ 19	Southport ..	1·1	+ 0·1	15	0	35	41·5	+2·2	41·9	- 0·6
														Hoylake ..	1·6	—	22	—	—	—	—	—	—
a Liverpool (Bidston) ..	188	53	31st	43	28th	51·1	45·0	48·2	+ 8·1	6	1·39	35	+ 22	Liverpool ..	1·4	—	19	0	35	—	—	—	—
a Hawarden Bridge ..	22	57	31st	42	28th	53·3	45·0	49·3	+ 8·6	6	1·59	40	+ 29	Manchester (City)	0·0	- 0·2	0	0	42	42·5	+2·2	43·4	- 1·2
p Manchester (Whit. Pk.)	125	56	31st	43	29, 30	52·9	44·7	49·0	+ 9·4	7	1·58	40	+ 24	Whitworth Park	0·3	- 0·1	4	—	—	—	—	—	—
0. NORTH WALES.																							
p Llandudno	22	58	31st	44	27, 28, 30	54·6	46·0	50·5	+ 8.4	6	1·43	36	+ 20	Llandudno ..	1·6	+ 0·4	21	—	—	—	—	—	—
a Holyhead	10	53	26, 27	42	29th	51·6	45·0	48·4	+ 5·9	6	1·63	41	+ 21	Holyhead ..	0·4	—	5	0	42	—	—	—	—
a Aberdovey	60	55	26, 30, 31	47	26, 29-31	53·4	47·3	50·5	—	7	1·91	49	—	Aberdovey ..	1·1	0·0	15	—	—	—	—	—	—

* The Wilton Ho. station was known as "Salisbury (Wilton)" in this Report up to May, 15th 1920.

† Earth temperature at 3 feet.

DISTRICTS AND NAMES OF STATIONS REPORTING TEMPERATURE OF AIR AND RAINFALL.	Height above M.S.L. of ground by Rain Gauge	Temperature of the Air. In Degrees Fahrenheit. Highest.	Date.	Lowest.	Date	Mean for the Week. Of Daily Max	Of Daily Min.	Daily Mean.	Deviation from Normal.	Rainfall. No. of Days of Precipitation.	Rainfall in the week.	Deviation from Normal.	STATIONS REPORTING SUNSHINE AND TEMPERATURE ON THE GRASS AND IN THE GROUND.	Bright Sunshine. Hours per Day. Daily Mean.	Deviation from Normal.	Percentage of possible duration.	Ground Temperature. Grass Min. Ground Frosts.	Lowest Reading.	Earth 1 ft Mean.	Deviation from average	Earth 4 ft Mean.	Deviation from average.
	Ft.	°F.		°F.		°F.	°F.	°F.	°F.		in.	mm.	mm.		hr.	hr.	%		°F.	°F.	°F.	°F.	°F.
8. a. SOUTH WALES.																							
a Aberystwyth	16	55	30th	45	30th	52·9	47·4	50·3	—	7	2·04	52	—	Aberystwyth ..	0·3	- 0·8	4	—	—	—	—	—	—
a Rhayader	757	54	30, 31	43	28, 31	52·1	44·7	48·6	—	7	2·46	63	—	Rhayader ..	0·6	—	8	0	39	—	—	—	—
a St. Ann's Head ..	149	52	26–31	46	28th	51·7	48·6	50·2	+ 6·3	7	1·24	57	+ 32	St. Ann's Head ..	1·3	+ 0·2	17	—	—	—	—	—	—
p Cardiff	202	54	28–31	45	26, 29, 1	53·4	46·0	49·9	+ 9·8	7	·72	69	+ 42	Cardiff	1·2	—	15	0	33	44·6	+ 2·7	44·9	- 0·8
b, ENGLAND, S.W.																							
a Bath	66	57	31st	41	29th	55·1	46·7	51·1	+10·9	6	1·42	36	+ 18	Bath	1·4	+ 0·3	18	—	—	45·0	+ 2·2	45·5	- 1·3
a Shaftesbury	723	58	26th	41	26th	52·4	43·7	48·2	+ 9·6	7	1·28	33	+ 13	Shaftesbury ..	—	—	—	—	—	45·5	—	44·8	—
a Arlington	613	54	31st	44	28th	52·4	45·8	49·2	+ 9·0	6	2·52	64	+ 28										
a Newquay	190	55	29–31	48	26, 30, 1	54·4	48·9	51·8	+ 7·1	7	1·64	42	+ 18	Newquay ..	0·7	- 0·6	9	0	42	48·1	—	47·6	—
a Cullompton	202	57	28th	40	1st	55·0	46·3	50·8	+10·2	7	1·02	26	+ 2	Cullompton ..	0·3	- 0·7	4	0	31	—	—	46·8	—
a Portland Bill	19	54	28, 29	47	26–31, 1	53·3	47·0	50·3	+ 6·5	7	1·54	39	+ 23	Weymouth ..	0·8	—	10	—	—	—	—	—	—
p Plymouth	116	55	28th	48	28th	53·9	50·0	52·0	+ 8·6	6	2·16	55	+ 28	Plymouth ..	0·2	- 1·0	3	0	45	47·7	+ 2·9	47·0	—
a Falmouth	167	56	27th	47	28, 29	54·4	48·6	51·6	+ 7·2	7	2·58	66	+ 32	Falmouth ..	0·3	- 1·1	4	0	43	49·1	—	48·0	—
9. IRELAND, N.																							
a West .. { a Malin Head	208	53	30th	39	28th	49·3	42·9	46·2	+ 4·5	4	0·31	8	- 10	Malin Head ..	0·9	—	13	—	—	—	—	—	—
a Blacksod Point ..	10	255	26th	40	30th	52·1	45·6	49·0	+ 5·6	5	0·91	23	- 10	Mallarany ..	0·9	—	12	0	36	—	—	—	—
a Mallarany ..	120	51	27, 30, 1	40	28, 30	50·6	43·7	47·3	—	7	1·56	40	—	Markree Castle	0·8	- 0·1	10	0	27	42·8	+ 0·6	44·8	- 1·2
p Markree Castle ..	122	57	26th	32	30th	51·0	40·7	46·1	+ 6·1	5	1·25	32	+ 6										
b, East .. { p Armagh	204	54	31st	33	28th	50·4	41·0	45·9	+ 6·1	5	1·55	39	+ 22	Armagh	1·0	0·0	14	0	31	42·9	+ 1·5	44·4	- 0·4
a Donaghadee	35	54	31st	38	31st	50·9	41·9	46·6	+ 5·4	7	2·36	60	+ 43										
10. IRELAND, S.																							
p Dublin, City	54	56	31st	42	30th	52·7	45·6	49·3	+ 6·9	6	1·25	32	+ 17	Trinity Coll. ..	1·1	—	14	0	36	45·1	+ 3·0	45·7	+ 0·5
a Birr Castle	175	54	30, 31	39	28th	51·7	41·9	47·0	+ 6·5	7	1·39	35	+ 15	Phœnix Park ..	2·1	+ 0·7	28	0	38	—	—	—	—
a Kilkenny	195	56	31st	39	30th	52·7	42·6	47·9	+ 7·3	7	1·68	43	+ 22	Dublin City ..	—	—	—	0	39	—	—	—	—
a Waterford	137	53	30, 31	42	30th	51·9	44·9	48·5	+ 5·9	6	3·90	99	+ 72	Birr Castle ..	1·6	+ 0·4	22	0	32	—	—	—	—
p Seskin, Carrick-on-Suir	542	53	31st	42	30th	51·6	44·9	48·4	—	7	2·81	72	—	Seskin	0·8	—	11	0	38	—	—	—	—
a Cahir	199	55	27, 28	39	30–1	52·4	41·0	46·9	—	7	1·96	50	—										
a Foynes	50	55	30th	41	30th	52·4	43·3	48·0	+ 5·3	6	0·94	24	- 4										
a Cahirciveen (Val. Obs.)	30	55	26, 30	44	27, 28	53·4	46·3	50·0	+ 4·8	5	3·15	80	+ 41	Cahirciveen ..	1·0	- 0·1	13	0	38	—	—	—	—
a Killarney	174	55	30th	42	28th	52·8	45·4	49·3	+ 5·9	7	2·48	63	+ 20	Ballinacurra ..	—	—	—	—	—	—	—	—	—
a Roche's Point	32	54	31st	45	28, 30	52·3	47·4	50·0	+ 5·6	7	2·19	56	+ 25										
11. ENGLISH CHANNEL.																							
a Scilly, St. Mary's ..	131	54	27–31	48	28th	53·7	50·4	52·1	+ 5·5	7	1·50	38	+ 15	Scilly	1·0	- 0·7	12	—	—	—	—	—	—
a Jersey, St. Aubins ..	25	56	29th	48	26th	54·0	48·6	51·4	+ 7·3	7	1·12	28	+ 6	St. Heliers ..	0·6	- 1·2	7	—	—	—	—	—	—
a Guernsey (Villa Carey)	180	55	28, 29	49	26, 31	53·9	50·1	52·1	+ 7·8	7	1·63	41	+ 17	Guernsey† ..	0·6	- 1·1	7	0	41	48·4	+ 2·5	47·7	- 1·1

† The Guernsey Sunshine refers to Villa Carey, the Ground Temperatures to Brocklyn.

V.—SUMMARY of AUTOGRAPHIC RECORDS of WIND. [First published 1914.]

Week ending at midnight (24h.) on Saturday, January 1st, 1921.

DISTRICT AND STATION;	Height. Above Mean Sea Level	Above Ground.	Above Building.	Distribution of Wind.† More than 17 m/s or 39 mi/hr. Dates of Occurrence.	Dur-ation.	11 to 17 m/s. 25 to 38 mi/hr. Dates of Occurrence.	Dur-ation.	6 to 10 m/s. Dur-ation.	2 to 5 m/s. Dur-ation.	Less than 2 m/s. Dur-ation	No Record. Dur-ation.	Extreme Velocities. Highest Hourly Wind. Veer from N.	Speed.	Mid Time.		Highest Gust. Speed.	Date		
	ft.	ft.	ft.		hr.		hr.	hr.	hr.	hr	hr.	°	m/s	day.	hr.	m./s.	d.	h.	m
0. SCOTLAND, N.																			
Deerness (Cup Anr.)** ..	188	16	5	31	5	25, 26, 27, 31	28	38	87	10	0	110	18	31	16	—	—	—	—
1. SCOTLAND, E.																			
Dyce	305	75	15*	—	0	—	0	16	56	18	78	120	10	31	12	20	31	12	50
Aberdeen (Cup Anr.)¶ ..	120	72	12	—	0	31	6	11	103	43	0	150	13	31	13	—	—	—	—
Edinburgh	485	39	31	—	0	26, 31, 1	8	48	84	28	0	230	12	31	24	21	31	15	10
6. SCOTLAND, W.																			
Eskdalemuir	825	50	32	—	0	26, 31, 1	16	56	59	37	0	{190 / 230	13 / —	26 / —	1 / 10	20	26	0	45
Paisley	188	81	15	—	0	26	1	35	92	40	0	200	11	26	1	21	26	1	30
2. ENGLAND, N.E.																			
Alnwick Castle	340	70	17	—	0	—	0	19	45	104	0	150	10	31	10	17	31	9	10
South Shields	72	61	13	—	0	—	0	15	75	78	0	150	10	31	9	14	31	9	5
Spurn Head	66	40	‡	Instrument dismounted.				—	—	—	—	—	—	—	—	—	—	—	—
3. ENGLAND, E.																			
Gorleston	52	42	‡	—	0	31	3	65	93	7	0	200	12	31	11	19	30	10	5
Shoeburyness	103	90	‡	—	0	29 to 31	8	98	61	1	0	200	13	31	10	19	30	0	50
4. MIDLAND COUNTIES.																			
Benson	270	84	‡	—	0	28, 31	4	100	64	0	0	180	12	31	8	16	31	8	10
5. ENGLAND, S.E.																			
Brighton	261	53	6	—	0	—	0	75	82	11	0	—	11	31	12	20	28	6	30
S. Farnboro' (Pyestk Tr)	443	152	†	Instrument out of adjustment.				—	—	—	—	—	—	—	—	—	—	—	—
Larkhill	513	83	43	—	0	28 to 31	24	114	30	0	0	230	14	29	23	21	29	23	40
Richmond (Kew Obs.)..	82	65	22	—	0	—	0	67	88	13	0	200	10	29	24	19	30	1	10
7. ENGLAND, N.W.																			
Fleetwood (Cup Anr.) ..	109	44	—	—	0	31	5	58	62	4	39	140	13	31	9	—	—	—	—
Southport	80	62	48	—	0	28, 30	10	70	87	1	0	230	16	30	3	23	30	2	55
Holyhead	60	40	‡	—	0	27, 29 to 31	21	98	47	2	0	230	14	29	24	23	31	4	10
8. ENGLAND, S.W.																			
Pendennis Castle§ ..	256	65	24	27 to 29, 31, 1	19	26 to 1	72	57	20	0	0	210	20	1	22	26	31	8	10
Plymouth	185	88	2	28, 31, 1	6	26, 1	53	90	20	0	0	—	18	{31 / 1	5 / 24}	25	28	1	45
Lyme Regis	556	61	‡	—	0	27, 31	2	49	61	54	2	—	12	31	12	17	31	11	40
10. IRELAND, S.																			
Kingstown (Cup Anr.) ..	49	27	—	—	0	27, 29 to 1	8	64	88	8	0	150	12	27	5	—	—	—	—
Quilty	100	40	‡	—	0	26, 27, 30, 31	23	133	12	0	0	—	14	30	18	20	30	17	50
Cahirciveen (Val Obs.)	98	41	‡	—	0	26 to 28, 30	30	96	40	2	0	230	16	27	5	29	26	19	25
Weaver Pt.	160	30	‡	26, 27	2	26 to 1	46	85	35	0	0	—	18	27	5	25	27	4	30
11. ENGLISH CHANNEL																			
Scilly	150	32	‡	—	0	27	2	86	72	8	0	300	15	27	23	21	27	23	10

† More exactly the ranges adopted for this classification are > 17·1, 10·8 to 17·1, 5·5 to 10·7, 1·6 to 5·4, 0 to 1·5 m/s. [Vide Guide to Tables of the W.W.B.]
‡ Standard mounting. § Direction from the Robinson Anemometer at Falmouth Observatory. ¶ Tube Anemograph out of action since Feb. 5th, 1920.
* Above tops of trees. ** For Deerness the week ends at midnight on Friday.

First published for Temperature and Rainfall in 1878, for Sunshine in 1884, and for Pressure in 1914.

The list of "District-Value Stations," the observations from which are used in calculating these District-Values, will be given in the Introduction to the Annual Volume.

FIFTY-SECOND WEEK of 1920—December 26th, 1920 to January 1st, 1921.

DISTRICTS. (See Frontispiece map.)	Temperature of the Air. At any "D.-V." Station. Highest	Lowest	Means of Daily Max.	Daily Min.	Daily Mean.	Deviation from Normal.	Accumulated Number of Day-Degrees. Above 42°	Deviation from Normal.	Below 42°	Deviation from Normal	Rainfall. Number of Days of Precipitation.	Deviation from Normal.	Total Fall.	Deviation from Normal.	Sunshine. Daily Mean.	Deviation from Normal.	Percentage of Possible Duration.	Mean Pressure at M.S.L.
	°F.	°F.	a. 200+	a. 200+	a. 200+	a. 200 +	day-deg. F.	day-deg. F.	day-deg. F.	day-deg F.			inches.	mm.	mm.	hr.	hr.	%	mb.
0. SCOTLAND, NORTH ..	55	28	81·5	76·3	79·0	+ 2·2	22	+ 15	11	−22	6	+ 1	1·16	29	− 3	0·3	−0·3	4	1000
Eastern.																			
1 SCOTLAND, EAST ..	54	27	80·9	75·3	78·2	+ 2·2	12	+ 6	24	−18	6	+ 2	1·12	28	+ 12	1·3	+0·3	18	1000
2 ENGLAND, N.E.	55	32	83·3	77·6	80·6	+ 3·9	33	+ 25	5	−28	7	+ 3	1·34	34	+ 23	0·8	−0·3	11	1003
3 ENGLAND, EAST ...	58	36	84·6	78·9	81·9	+ 5·4	42	+ 34	0	−35	6	+ 2	0·91	23	+ 11	1·2	0·0	15	1008
4 MIDLAND COUNTIES ...	60	35	84·2	79·7	82·1	+ 5·6	44	+ 34	0	−37	7	+ 3	1·67	42	+ 27	0·9	−0·1	12	1006
5 ENGLAND, S.E.	57	42	85·0	81·4	83·3	+ 5·7	60	+ 46	0	−27	7	+ 3	1·15	29	+ 13	1·1	−0·1	14	1009
Western.																			
6. SCOTLAND, WEST ...	54	32	82·7	78·4	80·7	+ 3·3	27	+ 16	1	−28	7	+ 2	1·81	46	+ 16	0·7	0·0	10	1002
7. ENGLAND, N.W.	58	32	84·1	79 6	81·9	+ 4·5	43	+ 31	0	−27	6	+ 2	1·43	36	+ 17	0·9	0·0	12	1002
8. ENGLAND, S.W.	58	40	84·9	81·2	83·1	+ 4·6	57	+ 40	0	−19	7	+ 2	1·99	51	+ 24	0·7	−0·5	8	1006
9. IRELAND, NORTH ...	57	32	83·5	78·7	81·2	+ 3·3	34	+ 20	0	−21	6	+ 1	1·30	33	+ 11	0·9	−0·1	12	998
10. IRELAND, SOUTH ...	56	39	84·4	79·8	82·2	+ 3·2	46	+ 25	0	−17	6	+ 1	2·10	54	+ 26	1·6	+0·3	21	999
11. ENGLISH CHANNEL ...	56	48	85·2	82·8	84·1	+ 3·7	69	+ 40	0	− 6	7	+ 2	1·42	36	+ 13	0·7	−1·0	9	1008

THE SEASON (Winter).—Aggregates, &c., for the Period of 5 Weeks, November 28th, 1920 to January 1st, 1921.

0. SCOTLAND, NORTH ...	56	17	79·8	74·8	77·4	+ 0·4	51	+ 4	122	− 20	21	− 6	5·08	128	− 51	0·4	−0·2	6	1011
Eastern.																			
1. SCOTLAND, EAST ...	54	11	78·7	73·5	76·2	− 0·2	33	− 10	187	+ 8	22	+ 1	3·62	92	+ 4	1·6	+0·5	22	1012
2. ENGLAND, N.E.	55	15	80·0	75·3	77·7	+ 0·4	65	+ 12	119	−18	26	+ 6	3·37	86	+ 19	0·9	−0·3	12	1014
3. ENGLAND, EAST ...	58	4	80·2	75·1	77·8	+ 0·4	81	+ 19	136	− 8	29	+ 8	3·02	76	+ 9	0·9	−0·5	11	1015
4. MIDLAND COUNTIES ...	60	−1	80·0	75·0	77·6	+ 0·4	85	+ 21	152	− 5	22	+ 1	3·42	86	+ 7	0·9	−0·3	11	1015
5. ENGLAND, S.E.	57	13	80·7	76·3	78·6	+ 0·3	118	+ 27	107	+ 3	25	+ 5	3·58	91	+ 1	0·9	−0·6	12	1015
Western.																			
6. SCOTLAND, WEST ...	55	20	80·2	75·4	77·9	0·0	66	− 1	116	+ 6	25	+ 1	5·58	143	− 16	0·8	−0·2	12	1014
7. ENGLAND, N.W.	59	19	80·4	75 8	78 2	+ 0·2	88	+ 16	120	+14	23	0	3·41	86	− 23	1·2	+0 1	16	1013
8. ENGLAND, S.W.	58	15	81·0	76·2	78·7	− 0·4	122	+ 14	113	+39	22	− 2	5·18	132	− 10	1·5	0·0	18	1015
9. IRELAND, NORTH ...	57	21	81·0	75·4	78·3	0·0	97	+ 19	104	+ 7	23	− 3	4·06	103	− 12	1·6	+0·4	21	1011
10. IRELAND, SOUTH ...	58	16	81·5	75·8	78·8	− 0·4	119	+ 1	105	+30	21	− 4	5·56	141	+ 9	1·7	+0 2	22	1013
11. ENGLISH CHANNEL ...	57	28	82·5	79·1	80·9	− 0·1	180	+ 5	32	+13	27	+ 1	4·16	105	− 19	1·2	−0·6	15	1015

THE YEAR 1920.—Aggregates, &c., for the Period of 52 Weeks, January 4th, 1920 to January 1st, 1921.

0. SCOTLAND, NORTH ...	79	17	84·2	78·0	81·0	+ 0·4	2179	+ 71	542	−233	226	−20	55·12	1400	+ 99	3·3	+0·2	27	1010
Eastern.																			
1. SCOTLAND, EAST ...	81	11	84·6	77·4	80·9	+ 0·2	2247	− 78	730	−187	207	0	31·99	811	+ 22	3·7	+0·1	30	1011
2. ENGLAND, N.E.	79	15	85·8	78·8	82·2	+ 0·6	2864	+177	455	−219	192	+ 4	26·06	664	+ 33	3·8	−0·2	29	1014
3. ENGLAND, EAST ...	84	4	86·8	79 0	82·8	+ 0 6	3284	+195	514	−192	179	− 5	21·36	545	− 60	4·3	0·0	35	1016
4. MIDLAND COUNTIES ...	82	−1	86·5	78·7	82·4	+ 0·5	3032	+ 50	504	−268	197	+14	30·86	784	+106	3·2	−0·6	26	1015
5. ENGLAND, S.E.	81	13	87·0	79 8	83·3	+ 0·5	3482	+148	319	−213	176	− 3	26·66	681	− 19	4·0	−0·5	33	1016
Western.																			
6. SCOTLAND, WEST ...	80	20	85·1	79·0	81·9	+ 0·3	2650	+ 59	411	−186	239	+21	51·83	1318	+118	3·1	−0·6	26	1013
7. ENGLAND, N.W.	81	19	85·6	79·6	82·5	+ 0·5	2973	+144	339	−199	213	+12	39·12	994	+ 97	3·4	−0·5	28	1014
8. ENGLAND, S.W.	78	15	86·3	80·0	83·0	+ 0·3	3241	+ 60	265	−149	205	+ 3	40·85	1037	+ 42	3·6	−0·7	30	1015
9. IRELAND, NORTH ...	77	21	85·6	79·2	82·3	+ 0·4	2848	+139	347	−146	252	+13	40·95	1040	+ 69	3·1	−0·4	26	1011
10. IRELAND, SOUTH ...	78	16	86 3	80·0	83·1	+ 0·3	3228	+ 68	252	−129	239	+25	45·22	1148	+129	3·4	−0·6	28	1014
11. ENGLISH CHANNEL ...	75	28	87·0	82·2	84·5	+ 0·3	3966	+153	52	− 75	185	−26	29·94	758	− 81	4·6	−0·5	38	1017
	°F	°F	a.	a	a.	a.	day-deg. F.	day-deg. F.	day-deg. F.	day-deg. F.			inches.	mm.	mm.	hr.	hr.	%	mb.

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Supt. Climatology Divn.
7th January, 1921.

DISTRICT VALUES OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE, FOR THE QUARTER, JANUARY TO MARCH, IN THE YEARS 1878-1920.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881-1915.

YEARS.	EASTERN DISTRICTS. 0 Scotland, N.			1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Means for Eastern Districts.			WESTERN DISTRICTS. 6 Scotland, W.			7 England, N.W. and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Means for Western Districts.			11 English Channel.			Means for Districts 1-10 Combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
Normal (1881–1915).	**67**	**mm. 375**	—	**53**	**mm. 185**	—	**48**	**mm. 130**	—	**48**	**mm. 128**	—	**47**	**mm. 149**	—	**46**	**mm. 162**	—	**48**	**mm. 151**	—	**56**	**mm. 309**	—	**52**	**mm. 207**	—	**53**	**mm. 245**	—	**61**	**mm. 236**	—	**56**	**mm. 263**	—	**56**	**mm. 252**	—	**57**	**mm. 206**	—	**52**	**mm. 202**	—
1878	74	*338*	*90*	40	*147*	*79*	45	122	94	52	*112*	*87*	43	99	66	42	130	80	44	122	81	53	*292*	*95*	51	183	88	41	155	63	60	211	89	52	198	75	51	208	83	56	155	75	48	165	82
1879	54	**198**	**53**	46	*236*	*128*	55	130	100	54	*152*	*119*	48	155	104	49	208	128	50	175	116	47	*229*	*74*	43	170	82	54	284	116	60	170	72	55	284	108	52	229	91	63	300	146	51	201	100
1880	**49**	*267*	*71*	41	*188*	*102*	34	81	62	38	**81**	**63**	**35**	109	73	38	119	73	37	117	77	49	*274*	*89*	40	157	76	47	175	71	49	191	81	50	249	95	47	208	83	50	152	74	42	163	81
1881	60	*333*	*89*	46	*251*	*135*	51	160	123	47	*140*	*109*	42	163	109	39	170	105	45	178	118	46	*254*	*82*	42	218	105	45	246	100	51	196	83	44	221	84	46	226	90	51	229	111	46	203	100
1882	72	*376*	*100*	48	*178*	*97*	**32**	79	61	**32**	*104*	*81*	**35**	142	95	**34**	91	56	**36**	119	79	62	*318*	*103*	49	198	96	49	180	73	63	211	89	59	246	94	56	231	92	48	147	71	46	175	87
1883	65	*325*	*87*	52	*224*	*121*	53	147	113	51	*157*	*123*	49	188	126	49	191	118	51	180	119	56	*325*	*105*	51	216	104	55	264	108	63	259	110	57	351	133	56	282	112	63	224	109	54	231	114
1884	66	*439*	*117*	52	*218*	*118*	44	157	121	42	*94*	*73*	47	170	114	48	170	105	47	163	108	68	*457*	*148*	57	292	141	62	310	127	70	310	131	67	391	149	65	353	140	59	234	114	56	257	127
1885	63	*330*	*88*	46	*185*	*100*	45	112	86	48	*130*	*102*	50	155	104	45	185	114	47	152	101	57	*318*	*103*	53	196	95	54	231	94	57	213	90	58	300	114	56	251	100	62	208	101	52	203	100
1886	70	*343*	*92*	55	*201*	*109*	56	160	123	54	*119*	*93*	49	165	111	48	160	99	52	160	106	57	284	92	54	229	111	57	274	112	58	254	108	55	284	108	56	264	105	68	226	110	54	213	105
1887	60	*353*	*94*	43	135	78	38	97	75	33	*91*	*71*	**35**	104	70	**34**	104	64	37	107	71	47	257	83	38	150	72	**38**	**140**	**57**	**47**	185	78	**40**	193	73	**42**	185	73	**42**	**109**	**53**	**40**	147	73
1888	62	*297*	*79*	55	175	95	49	142	109	50	*124*	*97*	43	117	78	46	147	91	48	142	94	**41**	218	71	51	127	61	48	180	73	**47**	183	78	41	193	73	46	180	71	61	185	90	47	160	79
1889	72	*404*	*108*	52	122	66	46	122	94	47	*97*	*76*	43	142	95	47	130	80	47	122	81	58	269	87	51	152	73	48	231	94	66	218	92	55	218	83	56	218	87	58	170	83	52	170	84
1890	67	445	119	54	206	111	48	132	102	52	*137*	*107*	46	130	87	46	142	88	49	150	99	60	345	112	56	213	103	53	226	92	62	221	94	58	323	123	58	267	106	54	211	102	54	208	103
1891	65	373	100	**38**	130	70	43	94	72	43	*91*	*71*	37	104	70	38	147	91	40	114	75	47	234	76	**35**	**112**	**54**	**38**	173	71	49	**140**	**59**	42	**142**	**54**	**42**	**160**	**63**	43	157	76	41	**137**	**68**
1892	63	284	76	46	140	76	47	112	86	49	*99*	*77*	44	102	68	38	94	58	45	109	72	47	203	66	46	160	77	47	163	67	49	150	64	45	193	73	47	173	69	52	175	85	46	142	70
1893	65	325	87	51	150	81	44	114	88	49	*127*	*99*	48	127	85	48	150	93	48	132	87	57	254	82	49	163	79	49	221	90	59	198	84	50	221	84	53	211	84	56	185	90	51	173	86
1894	68	536	143	56	279	151	51	137	105	47	*102*	*80*	54	147	99	49	160	99	52	165	109	64	472	153	56	251	121	56	267	109	64	312	132	61	277	105	60	315	125	56	196	95	56	241	119
1895	59	249	66	48	163	88	58	191	147	52	*137*	*107*	42	137	92	41	119	73	48	150	99	48	170	53	48	170	82	46	206	84	56	196	83	48	241	92	49	196	78	55	185	90	49	173	86
1896	68	452	121	50	122	66	39	104	80	47	*119*	*93*	45	109	73	42	112	69	45	114	75	61	307	99	53	211	102	50	175	71	56	234	99	51	224	85	54	231	92	53	124	60	50	173	86
1897	65	279	74	57	175	95	59	163	125	57	*168*	*131*	54	201	135	52	234	144	56	188	125	58	*282*	*91*	61	201	97	65	330	135	66	244	103	61	300	114	62	272	108	70	295	143	59	231	114
1898	77	475	127	52	122	66	44	86	66	41	*86*	*67*	39	**74**	**50**	37	**89**	**55**	42	**91**	**60**	62	272	88	50	185	89	48	152	62	61	198	84	44	168	64	53	196	78	56	112	54	48	142	70
1899	60	348	93	53	213	115	48	135	104	46	*117*	*91*	44	173	116	38	150	93	46	157	104	57	*333*	*108*	51	226	109	49	318	130	62	226	96	51	318	121	54	284	113	48	206	100	50	221	109
1900	66	297	79	54	224	121	54	198	152	55	191	149	50	218	146	50	236	146	53	213	141	54	*269*	*87*	52	234	113	56	343	140	60	208	88	56	251	95	56	262	104	65	315	153	55	239	118
1901	64	269	72	52	165	89	55	142	109	52	*130*	*102*	49	168	113	45	155	96	51	152	101	50	*221*	*71*	51	170	82	47	236	96	59	206	87	50	218	83	51	211	84	63	203	99	51	183	91
1902	68	371	99	50	**119**	**64**	41	94	72	42	**81**	**63**	38	117	78	35	124	77	41	107	71	60	*297*	*96*	53	165	80	47	193	79	63	221	94	49	231	88	55	221	88	51	152	74	48	165	82
1903	75	**625**	**167**	60	**320**	**173**	47	130	100	44	*119*	*93*	48	188	126	54	173	107	51	185	123	**75**	**521**	**169**	**63**	**302**	**146**	64	310	127	**74**	**361**	**153**	70	**399**	**152**	**69**	**378**	**150**	66	224	109	60	**282**	**140**
1904	62	*330*	*88*	56	191	103	54	137	105	54	*155*	*121*	**61**	196	132	60	229	141	57	180	119	57	358	116	56	244	118	62	312	127	67	269	114	67	333	127	62	302	120	67	325	158	60	241	119
1905	**78**	*505*	*135*	56	165	89	39	**76**	**58**	47	*99*	*77*	46	117	78	48	155	96	47	122	81	64	338	109	56	188	91	51	221	90	70	254	108	63	262	100	61	251	100	59	203	99	54	188	93
1906	74	*445*	*119*	55	185	100	52	135	104	57	*180*	*141*	55	180	121	**62**	226	140	56	180	119	58	358	116	57	284	137	61	351	143	73	287	122	67	277	105	63	312	124	70	254	123	60	246	122
1907	70	437	117	43	132	71	42	84	65	39	*97*	*76*	36	89	60	**34**	91	56	38	99	66	55	300	97	49	180	87	49	155	63	62	234	99	55	145	55	54	203	81	44	109	53	46	152	75
1908	68	401	107	55	211	114	49	130	100	51	119	93	45	132	89	46	132	81	49	145	96	58	338	109	57	229	111	51	198	81	65	279	118	67	224	85	60	254	101	54	147	71	55	201	100
1909	62	269	72	51	224	121	45	147	113	49	109	85	42	122	82	45	135	83	46	147	97	50	284	92	48	183	88	51	193	79	62	234	99	60	251	95	54	229	91	55	206	100	50	188	93
1910	70	371	99	54	185	100	49	127	98	50	132	103	51	150	101	52	191	118	51	157	104	60	333	108	62	254	123	58	274	112	67	297	126	68	318	121	63	295	117	59	259	126	57	226	112
1911	58	366	98	51	147	79	45	102	78	54	137	107	42	104	70	45	142	88	47	127	84	49	257	83	44	160	77	48	191	78	48	157	67	54	178	68	49	188	78	55	165	80	48	157	78
1912	67	307	82	**64**	196	106	59	165	127	58	173	135	57	229	154	58	231	143	**59**	198	131	62	335	108	60	244	118	**70**	345	141	58	262	111	**72**	328	125	64	302	120	61	290	141	**62**	251	124
1913	66	384	102	59	216	117	55	160	123	52	140	110	53	208	139	50	191	118	55	183	121	59	338	109	58	254	123	62	328	134	64	277	117	67	348	132	61	310	123	58	244	118	58	246	122
1914	68	411	110	57	224	121	54	119	92	52	170	133	51	150	101	53	239	148	53	180	119	65	368	119	58	241	116	60	325	133	68	305	129	**72**	351	133	65	318	126	63	274	133	59	249	123
1915	67	374	100	55	206	111	**60**	174	134	**61**	190	148	49	194	130	50	241	149	55	201	133	56	319	103	51	244	118	55	305	124	60	229	97	58	275	105	56	274	109	56	264	128	56	238	118
1916	73	471	120	63	253	137	57	180	138	59	**211**	**165**	58	235	158	60	249	154	**59**	**226**	**150**	62	274	89	61	234	113	65	309	126	63	215	91	71	246	94	65	256	101	70	299	145	**62**	241	119
1917	58	237	63	50	133	72	50	142	109	50	123	96	44	128	86	43	122	75	48	130	86	**44**	**166**	**54**	42	153	74	41	165	67	54	161	68	51	181	69	46	165	66	49	178	86	47	148	73
1918	66	373	99	53	172	93	46	114	88	42	109	85	42	133	89	40	142	88	45	134	89	59	328	106	47	192	93	47	229	94	58	233	99	61	291	111	54	255	101	49	135	66	50	195	96
1919	57	223	59	53	186	101	56	**200**	**151**	56	196	153	53	**262**	**176**	60	**276**	**170**	56	224	149	48	256	83	51	239	115	59	**374**	**153**	57	215	91	62	262	100	55	269	107	**71**	**416**	**202**	56	247	122
1920	72	606	162	57	218	118	48	153	110	43	98	77	52	184	123	50	138	85	50	158	105	69	403	130	57	291	141	61	281	115	70	294	125	67	313	119	65	316	125	53	181	88	58	237	117
Lustra. 1881–1885.. ..	65	*361*	*96*	49	*211*	*114*	45	130	100	44	*124*	*97*	45	163	109	43	163	101	45	157	104	58	*335*	*109*	51	224	108	53	246	100	61	239	101	57	302	115	56	269	107	57	208	101	51	213	165
1886–1890.. ..	66	*368*	*98*	52	168	91	47	130	100	47	*114*	*89*	43	132	89	44	137	85	47	137	91	53	274	89	50	175	85	49	211	86	56	213	90	50	241	92	52	224	89	57	180	87	49	180	89
1891–1895.. ..	64	353	94	48	173	94	49	130	100	48	*112*	*88*	45	124	83	43	135	83	47	135	89	53	267	86	47	170	82	47	206	84	55	198	84	49	216	82	50	211	84	52	180	87	49	173	86
1896–1900.. ..	67	371	99	53	170	92	49	137	105	49	*137*	*107*	46	155	104	44	165	102	48	152	101	58	*292*	*95*	53	211	102	54	264	108	61	221	94	53	251	95	56	249	99	58	211	102	52	201	100
1901–1905.. ..	69	*419*	*112*	55	193	104	47	117	90	48	*117*	*91*	48	157	105	48	168	104	49	150	99	61	*348*	*113*	56	213	103	54	254	104	67	262	111	60	290	110	60	274	108	61	221	107	55	213	105
1906–1910.. ..	69	384	102	52	188	102	47	124	95	49	127	99	46	135	91	48	155	96	48	145	96	56	323	105	55	226	109	54	234	96	66	267	113	63	244	93	59	259	103	56	196	95	54	203	100
1911–1915.. ..	65	368	98	57	198	107	55	144	111	55	162	127	50	177	119	51	209	129	54	178	118	58	323	105	54	229	111	59	299	122	60	246	104	65	296	113	59	278	110	59	247	120	57	228	113
1916–1920.. ..	65	382	102	55	192	104	51	158	122	50	147	115	50	188	126	51	185	114	52	174	115	56	285	92	52	222	107	55	272	111	60	224	95	62	219	83	57	212	84	58	202	98	55	214	106

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DISTRICT VALUES. 1878 TO 1920. FIRST QUARTER.

TABLE II.—TEMPERATURE, FAHRENHEIT SCALE—MEAN TEMPERATURE AND DEVIATION FROM THE NORMAL FOR THE 35 YEARS, 1881-1915.

	EASTERN DISTRICTS.												WESTERN DISTRICTS.													
	0 Scotland, N.		1 Scotland, E.		2 England, N.E.		3 England, E.		4 Midland Counties.		5 England, S.E.		Districts, 1-5		6 Scotland, W.		7 England, N.W. and N. Wales.		8 S.Wales and England, S.W.		9 Ireland, N.		10 Ireland, S.		Districts 6-10		11 English Channel.		Districts 1-10	
	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.
Normal (1881–1915)	**38·5**	—	**37·9**	—	**39·4**	—	**39·4**	—	**39·4**	—	**40·6**	—	**39·4**	—	**39·9**	—	**40·3**	—	**41·5**	—	**41·2**	—	**42·6**	—	**41·2**	—	**44·6**	—	**40·3**	—
1878	*39·2*	*+0·7*	*39·3*	*+1·4*	40·8	+1·4	40·6	+1·2	41·8	+2·4	41·7	+1·1	40·8	+1·4	*41·6*	*+1·7*	42·2	+1·9	44·2	+2·7	42·5	+1·3	45·1	+2·5	43·1	+1·9	43·8	−0·8	42·0	+1·7
1879	*35·4*	*−3·1*	*33·4*	*−4·5*	35·9	−3·5	36·5	−2·9	36·4	−3·0	37·8	−2·8	36·0	−3·4	*36·1*	*−3·8*	36·8	−3·5	40·8	−0·7	38·0	−3·2	40·5	−2·1	38·4	−2·8	42·4	−2·2	37·2	−3·1
1880	*40·2*	*+1·7*	*38·8*	*+0·9*	39·5	+0·1	39·2	−0·2	39·9	+0·5	40·5	−0·1	39·6	+0·2	*40·6*	*+0·7*	40·6	+0·3	43·5	+2·0	42·2	+1·0	44·1	+1·5	42·2	+1·0	42·4	−2·2	40·9	+0·6
1881	**34·0**	**−4·5**	**32·4**	**−5·5**	**34·3**	**−5·1**	36·1	−3·3	35·8	−3·6	38·2	−2·4	35·4	−4·0	**35·0**	**−4·9**	36·6	−3·7	39·9	−1·6	37·5	−3·7	39·8	−2·8	37·8	−3·4	44·5	−0·1	36·6	−3·7
1882	**41·4**	**+2·9**	**42·0**	**+4·1**	**42·8**	**+3·4**	42·1	+2·7	**42·6**	**+3·2**	43·5	+2·9	**42·6**	**+3·2**	**43·4**	**+3·5**	**43·5**	**+3·2**	**44·9**	**+3·4**	**44·8**	**+3·6**	**46·0**	**+3·4**	**44·5**	**+3·3**	44·7	+0·1	**43·6**	**+3·3**
1883	*38·2*	*−0·3*	*37·9*	*0·0*	38·8	−0·6	39·0	−0·4	39·2	−0·2	40·8	+0·2	39·1	−0·3	*40·0*	*+0·1*	40·1	−0·2	42·2	+0·7	40·9	−0·3	42·5	−0·1	41·1	−0·1	44·8	+0·2	40·1	−0·2
1884	*39·6*	*+1·1*	*40·2*	*+2·3*	41·9	+2·5	42·4	+3·0	42·6	+3·2	43·8	+3·2	42·2	+2·8	*42·0*	*+2·1*	42·4	+2·1	44·5	+3·0	42·7	+1·5	44·8	+2·2	43·3	+2·1	46·5	+1·9	42·8	+2·5
1885	*37·9*	*−0·6*	*37·4*	*−0·5*	39·2	−0·2	39·2	−0·2	39·3	−0·1	40·7	+0·1	39·2	−0·2	*39·3*	*−0·6*	39·7	−0·6	41·9	+0·4	40·6	−0·6	42·2	−0·4	40·7	−0·5	43·9	−0·7	40·0	−0·3
1886	*36·1*	*−2·4*	35·1	−2·8	36·2	−3·2	35·6	−3·8	36·0	−3·4	37·2	−3·4	36·0	−3·4	*36·9*	*−3·0*	36·9	−3·4	38·4	−3·1	38·6	−2·6	40·0	−2·6	38·2	−3·0	42·0	−2·6	37·1	−3·2
1887	*39·5*	*+1·0*	39·1	+1·2	38·7	−0·7	37·5	−1·9	37·8	−1·6	38·7	−1·9	38·4	−1·0	39·8	−0·1	39·0	−1·3	40·4	−1·1	41·3	+0·1	42·3	−0·3	40·6	−0·6	42·7	−1·9	39·5	−0·8
1888	*36·5*	*−2·0*	36·3	−1·6	37·3	−2·1	36·5	−2·9	36·8	−2·6	37·4	−3·2	36·9	−2·5	38·0	−1·9	37·7	−2·6	38·5	−3·0	39·4	−1·8	40·5	−2·1	38·8	−2·4	41·6	−3·0	37·9	−2·4
1889	*38·7*	*+0·2*	38·6	+0·7	38·6	−0·8	37·5	−1·9	38·2	−1·2	39·0	−1·6	38·4	−1·0	40·1	+0·2	39·7	−0·6	40·8	−0·7	41·3	+0·1	42·9	+0·3	41·0	−0·2	44·1	−0·5	39·7	−0·6
1890	*40·3*	*+1·8*	39·8	+1·9	40·7	+1·3	40·1	+0·7	40·4	+1·0	41·6	+1·0	40·5	+1·1	41·3	+1·4	41·2	+0·9	42·7	+1·2	42·0	+0·8	43·5	+0·9	42·1	+0·9	45·7	+1·1	41·3	+1·0
1891	38·4	−0·1	38·0	+0·1	37·9	−1·5	37·4	−2·0	38·0	−1·4	38·4	−2·2	37·9	−1·5	39·6	−0·3	39·5	−0·8	40·2	−1·3	40·8	−0·4	42·3	−0·3	40·5	−0·7	43·1	−1·5	39·2	−1·1
1892	36·3	−2·2	36·0	−1·9	36·9	−2·5	36·3	−3·1	36·6	−2·8	38·3	−2·3	36·8	−2·6	37·7	−2·2	37·9	−2·4	39·7	−1·8	39·2	−2·0	40·3	−2·3	39·0	−2·2	43·0	−1·6	37·9	−2·4
1893	38·8	+0·3	38·8	+0·9	40·2	+0·8	39·8	+0·4	40·3	+0·9	41·3	+0·7	40·1	+0·7	40·6	+0·7	41·2	+0·9	42·8	+1·3	42·2	+1·0	43·8	+1·2	42·1	+0·9	46·0	+1·4	41·1	+0·8
1894	39·2	+0·7	38·8	+0·9	39·8	+0·4	40·0	+0·6	40·4	+1·0	41·8	+1·2	40·2	+0·8	41·0	+1·1	42·0	+1·7	42·7	+1·2	41·8	+0·6	43·6	+1·0	42·2	+1·0	45·5	+0·9	41·2	+0·9
1895	34·3	−4·2	32·5	−5·4	34·9	−4·5	**34·4**	**−5·0**	**33·6**	**−5·8**	**35·3**	**−5·3**	**34·1**	**−5·3**	34·7	−5·2	**35·0**	**−5·3**	**36·4**	**−5·1**	**36·5**	**−4·7**	**38·4**	**−4·2**	**36·2**	**−5·0**	**39·9**	**−4·7**	**35·2**	**−5·1**
1896	41·0	+2·5	40·4	+2·5	41·2	+1·8	40·9	+1·5	41·4	+2·0	42·7	+2·1	41·3	+1·9	42·2	+2·3	42·5	+2·2	43·9	+2·4	43·4	+2·2	45·5	+2·9	43·5	+2·3	46·7	+2·1	42·4	+2·1
1897	37·5	−1·0	37·4	−0·5	39·4	0·0	39·8	+0·4	39·8	+0·4	41·7	+1·1	39·6	+0·2	39·5	−0·4	40·4	+0·1	42·5	+1·0	40·6	−0·6	42·8	+0·2	41·2	0·0	45·7	+1·1	40·4	+0·1
1898	40·1	+1·6	40·3	+2·4	41·1	+1·7	40·5	+1·1	40·7	+1·3	42·2	+1·6	41·0	+1·6	42·0	+2·1	42·1	+1·8	43·0	+1·5	42·7	+1·5	44·3	+1·7	42·8	+1·6	45·8	+1·2	41·9	+1·6
1899	38·3	−0·2	38·0	+0·1	40·3	+0·9	41·1	+1·7	40·7	+1·3	42·7	+2·1	40·6	+1·2	40·6	+0·7	41·8	+1·5	43·4	+1·9	41·7	+0·5	43·8	+1·2	42·3	+1·1	46·8	+2·2	41·5	+1·2
1900	36·6	−1·9	35·9	−2·0	37·6	−1·8	38·1	−1·3	37·8	−1·6	39·9	−0·7	37·9	−1·5	**38·2**	**−1·7**	38·6	−1·7	40·7	−0·8	39·0	−2·2	40·1	−2·5	39·3	−1·9	44·6	0·0	38·6	−1·7
1901	38·0	−0·5	37·0	−0·9	38·0	−1·4	37·2	−2·2	37·3	−2·1	38·5	−2·1	37·6	−1·8	39·0	−0·9	38·5	−1·8	39·7	−1·8	40·0	−1·2	40·8	−1·8	39·6	−1·6	43·2	−1·4	38·6	−1·7
1902	37·9	−0·6	37·4	−0·5	39·5	+0·1	39·7	+0·3	39·8	+0·4	41·2	+0·6	39·5	+0·1	39·7	−0·2	40·2	−0·1	42·1	+0·6	41·2	0·0	43·2	+0·6	41·3	+0·1	45·3	+0·7	40·4	+0·1
1903	39·7	+1·2	39·7	+1·8	42·2	+2·8	**43·3**	**+3·9**	42·4	+3·0	**44·1**	**+3·5**	42·3	+2·9	42·0	+2·1	42·9	+2·6	44·6	+3·1	42·4	+1·2	44·3	+1·7	43·2	+2·0	**47·0**	**+2·4**	42·8	+2·5
1904	38·4	−0·1	37·4	−0·5	38·9	−0·5	39·2	−0·2	38·9	−0·5	40·2	−0·4	38·9	−0·5	39·5	−0·4	39·4	−0·9	41·6	+0·1	40·2	−1·0	42·0	−0·6	40·5	−0·7	44·2	−0·4	39·7	−0·6
1905	*40·1*	*+1·6*	39·8	+1·9	41·0	+1·6	41·1	+1·7	40·9	+1·5	42·0	+1·4	41·0	+1·6	41·6	+1·7	41·8	+1·5	42·8	+1·3	42·3	+1·1	44·1	+1·5	42·5	+1·3	45·8	+1·2	41·8	+1·5
1906	*37·7*	*−0·8*	37·8	−0·1	39·7	+0·3	40·2	+0·8	40·0	+0·6	41·0	+0·4	39·7	+0·3	40·0	+0·1	40·2	−0·1	41·5	0·0	41·0	−0·2	43·0	+0·4	41·1	−0·1	44·8	+0·2	40·4	+0·1
1907	38·5	0·0	38·4	+0·5	39·3	−0·1	38·9	−0·5	39·3	−0·1	39·9	−0·7	39·2	−0·2	40·2	+0·3	40·0	−0·3	40·6	−0·9	41·6	+0·4	43·1	+0·5	41·1	−0·1	44·2	−0·4	40·2	−0·1
1908	38·8	+0·3	37·7	−0·2	38·6	−0·8	38·5	−0·9	38·3	−1·1	39·3	−1·3	38·5	−0·9	39·8	−0·1	39·3	−1·0	40·4	−1·1	41·5	+0·3	42·4	−0·2	40·7	−0·5	43·9	−0·7	39·6	−0·7
1909	38·1	−0·4	36·7	−1·2	37·5	−1·9	37·7	−1·7	37·2	−2·2	38·2	−2·4	37·5	−1·9	39·0	−0·9	38·6	−1·7	39·6	−1·9	41·1	−0·1	42·2	−0·4	40·1	−1·1	43·5	−1·1	38·8	−1·5
1910	38·3	−0·2	38·2	+0·3	39·9	+0·5	40·6	+1·2	40·3	+0·9	41·6	+1·0	40·1	+0·7	40·3	+0·4	40·9	+0·6	42·4	+0·9	41·4	+0·2	42·7	+0·1	41·5	+0·3	45·6	+1·0	40·8	+0·5
1911	39·7	+1·2	38·8	+0·9	39·9	+0·5	39·9	+0·5	39·7	+0·3	40·5	−0·1	39·7	+0·3	40·8	+0·9	41·5	+1·2	41·2	−0·3	41·7	+0·5	42·6	0·0	41·5	+0·3	44·1	−0·5	40·6	+0·3
1912	39·7	+1·2	39·0	+1·1	40·6	+1·2	42·3	+2·9	41·2	+1·8	43·3	+2·7	41·2	+1·8	40·6	+0·7	41·4	+1·1	43·3	+1·8	42·3	+1·1	44·1	+1·5	42·3	+1·1	46·8	+2·2	41·7	+1·4
1913	39·6	+1·1	38·3	+0·4	39·9	+0·5	41·7	+2·3	40·6	+1·2	42·6	+2·0	40·6	+1·2	40·5	+0·6	41·2	+0·9	42·8	+1·3	41·7	+0·5	42·8	+0·2	41·7	+0·5	46·0	+1·4	41·4	+1·1
1914	39·9	+1·4	39·0	+1·1	41·5	+2·1	41·7	+2·3	41·5	+2·1	42·1	+1·5	41·2	+1·8	41·2	+1·3	42·3	+2·0	42·8	+1·3	42·1	+0·9	43·5	+0·9	42·4	+1·2	45·1	+0·5	41·7	+1·4
1915	38·5	0·0	37·6	−0·3	39·6	+0·2	39·9	+0·5	39·6	+0·2	40·8	+0·2	39·6	+0·2	39·4	−0·5	40·3	0·0	41·2	−0·3	40·1	−1·1	41·4	−1·2	40·5	−0·7	44·1	−0·5	39·9	−0·4
1916	38·8	+0·3	37·9	0·0	40·1	+0·7	40·8	+1·4	40·3	+0·9	41·9	+1·3	40·3	+0·9	40·1	+0·2	41·4	+1·1	42·1	+0·6	41·2	0·0	42·6	0·0	41·4	+0·2	44·8	+0·2	40·8	+0·5
1917	36·7	−1·8	35·1	−2·8	35·6	−3·8	35·4	−4·0	35·1	−4·3	36·3	−4·3	35·6	−3·8	36·9	−3·0	36·3	−4·0	37·2	−4·3	38·3	−2·9	39·0	−3·6	37·6	−3·6	40·5	−4·1	36·5	−3·8
1918	39·6	+1·1	38·8	+0·9	40·8	+1·4	41·0	+1·6	41·5	+2·1	42·1	+1·5	40·8	+1·4	41·0	+1·1	42·3	+2·0	43·3	+1·8	42·8	+1·6	44·4	+1·8	42·8	+1·6	45·3	+0·7	41·9	+1·6
1919	35·8	−2·7	34·5	−3·4	36·9	−2·5	37·2	−2·2	36·5	−2·9	38·8	−1·8	36·7	−2·7	37·2	−2·7	37·6	−2·7	39·4	−2·1	39·0	−2·2	40·5	−2·1	38·7	−2·5	43·3	−1·3	37·8	−2·5
1920	39·7	+1·2	39·9	+2·0	41·9	+2·5	42·8	+3·4	**42·6**	**+3·2**	43·9	+3·3	42·3	+2·9	41·5	+1·6	43·0	+2·7	44·2	+2·7	42·8	+1·6	44·2	+1·6	43·2	+2·0	46·6	+2·0	42·8	+2·5
LUSTRA 1881–1885	*38·1*	*−0·4*	*37·9*	*0·0*	39·4	0·0	39·7	+0·3	39·9	+0·5	41·4	+0·8	39·7	+0·3	*39·9*	*0·0*	40·5	+0·2	42·6	+1·1	41·4	+0·2	43·2	+0·6	41·5	+0·3	45·0	+0·4	40·6	+0·3
1886–1890	*38·1*	*−0·4*	37·8	−0·1	38·3	−1·1	37·4	−2·0	37·8	−1·6	38·8	−1·8	37·9	−1·5	38·2	−0·7	38·8	−1·5	40·3	−1·2	40·5	−0·7	41·7	−0·9	40·1	−1·1	43·2	−1·4	39·0	−1·3
1891–1895	37·4	−1·1	36·9	−1·0	37·9	−1·5	37·6	−1·8	37·8	−1·6	39·0	−1·6	37·8	−1·6	38·7	−1·2	39·0	−1·3	40·5	−1·0	40·1	−1·1	41·7	−0·9	39·9	−1·3	43·5	−1·1	38·8	−1·5
1896–1900	38·7	+0·2	38·5	+0·6	39·9	+0·5	40·1	+0·7	40·1	+0·7	41·7	+1·1	40·1	+0·7	40·5	+0·6	41·2	+0·9	42·6	+1·1	41·5	+0·3	43·3	+0·7	41·7	+0·5	45·9	+1·3	41·0	+0·7
1901–1905	38·8	+0·3	38·3	+0·4	39·9	+0·5	40·1	+0·7	39·9	+0·5	41·2	+0·6	39·9	+0·5	40·5	+0·6	40·6	+0·3	42·3	+0·8	41·2	0·0	43·0	+0·4	41·4	+0·2	45·1	+0·5	40·6	+0·3
1906–1910	38·3	−0·2	37·8	−0·1	39·0	−0·4	39·2	−0·2	39·0	−0·4	39·9	−0·7	39·0	−0·4	39·9	0·0	39·7	−0·6	40·8	−0·7	41·4	+0·2	42·6	0·0	40·8	−0·4	44·4	−0·2	39·9	−0·4
1911–1915	39·6	+1·1	38·7	+0·8	40·5	+1·1	41·2	+1·8	40·5	+1·1	41·9	+1·3	40·5	−1·1	40·5	+0·6	41·4	+1·1	42·3	+0·8	41·5	+0·3	43·0	+0·4	41·7	+0·5	45·1	+0·5	41·2	+0·9
1916–1920	38·1	−0·4	37·2	−0·7	39·1	−0·3	39·4	0·0	39·2	−0·2	40·6	0·0	39·1	−0·3	39·3	−0·6	40·1	−0·2	41·2	−0·3	40·8	−0·4	42·1	−0·5	40·7	−0·5	44·1	−0·5	40·0	−0·3

TABLE III.—TEMPERATURE, ABSOLUTE SCALE—EXCESS OF MEAN TEMPERATURE ABOVE **200a,** AND DEVIATION FROM THE NORMAL FOR THE **35** YEARS **1881-1915.**

	0 Scotland N.		EASTERN DISTRICTS.												WESTERN DISTRICTS.										11 English Channel		Districts 1-10	
			1 Scotland E.		2 England N.E.		3 England E.		4 Midland Counties.		5 England S.E.		Districts 1-5		6 Scotland W.		7 England N.W. and N. Wales.		8 S. Wales and England S W.		9 Ireland N.		10 Ireland S.		Districts 6-10					
	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.	a	Devn.
Normal (1881-1915).	**76·4**	—	**76·3**	—	**77·1**	—	**77·1**	—	**77·1**	—	**77·8**	—	**77·1**	—	**77·4**	—	**77·6**	—	**78·3**	—	**78·1**	—	**78·9**	—	**78·1**	—	**80·0**	—	**77·6**	—
1878	77·0	+0·4	77·1	+0·8	77·9	+0·8	77·8	+0·7	78·4	+1·3	78·4	+0·6	77·9	+0·8	78·3	+0·9	78·7	+1·1	79·8	+1·5	78·8	+0·7	80·3	+1·4	79·2	+1·1	79·6	−0·4	78·6	+1·0
1879	74·9	−1·7	73·8	−2·5	75·2	−1·9	75·5	−1·6	75·4	−1·7	76·2	−1·6	75·2	−1·9	75·3	−2·1	75·7	−1·9	77·9	−0·4	76·3	−1·8	77·7	−1·2	76·6	−1·5	78·8	−1·2	75·9	−1·7
1880	77·6	+1·0	76·8	+0·5	77·2	+0·1	77·0	−0·1	77·4	+0·3	77·7	−0·1	77·2	+0·1	77·8	+0·4	77·8	+0·2	79·4	+1·1	78·7	+0·6	79·7	+0·8	78·7	+0·6	78·8	−1·2	77·9	+0·3
1881	**74·1**	**−2·5**	**73·2**	**−3·1**	**74·3**	**−2·8**	75·3	−1·8	75·1	−2·0	76·4	−1·4	74·9	−2·2	74·7	−2·7	75·6	−2·0	77·4	−0·9	76·1	−2·0	77·3	−1·6	76·2	−1·9	79·9	−0·1	75·6	−2·0
1882	**78·2**	**+1·6**	**78·6**	**+2·3**	**79·0**	**+1·9**	78·6	+1·5	**78·9**	**+1·8**	79·4	+1·6	**78·9**	**+1·8**	**79·3**	**+1·9**	**79·4**	**+1·8**	**80·2**	**+1·9**	**80·1**	**+2·0**	**80·8**	**+1·9**	**79·9**	**+1·8**	80·1	+0·1	**79·4**	**+1·8**
1883	76·4	−0·2	76·3	0·0	76·8	−0·3	76·9	−0·2	77·0	−0·1	77·9	+0·1	76·9	−0·2	77·4	0·0	77·5	−0·1	78·7	+0·4	77·9	−0·2	78·8	−0·1	78·1	0·0	80·1	+0·1	77·5	−0·1
1884	77·2	+0·6	77·6	+1·3	78·5	+1·4	78·8	+1·7	**78·9**	**+1·8**	79·6	+1·8	78·7	+1·6	78·6	+1·2	78·8	+1·2	79·9	+1·6	78·9	+0·8	80·1	+1·2	79·3	+1·2	81·1	+1·1	79·0	+1·4
1885	76·3	−0·3	76·0	−0·3	77·0	−0·1	77·0	−0·1	77·1	0·0	77·8	0·0	77·0	−0·1	77·1	−0·3	77·3	−0·3	78·5	+0·2	77·8	−0·3	78·7	−0·2	77·8	−0·3	79·6	−0·4	77·4	−0·2
1886	75·3	−1·3	74·7	−1·6	75·3	−1·8	75·0	−2·1	75·2	−1·9	75·9	−1·9	75·2	−1·9	75·7	−1·7	75·7	−1·9	76·6	−1·7	76·7	−1·4	77·4	−1·5	76·4	−1·7	78·6	−1·4	75·8	−1·8
1887	77·2	+0·6	76·9	+0·6	76·7	−0·4	76·1	−1·0	76·2	−0·9	76·7	−1·1	76·6	−0·5	77·3	−0·1	76·9	−0·7	77·7	−0·6	78·2	+0·1	78·7	−0·2	77·8	−0·3	78·9	−1·1	77·2	−0·4
1888	75·5	−1·1	75·4	−0·9	75·9	−1·2	75·5	−1·6	75·7	−1·4	76·0	−1·8	75·7	−1·4	76·3	−1·1	76·2	−1·4	76·6	−1·7	77·1	−1·0	77·7	−1·2	76·8	−1·3	78·3	−1·7	76·3	−1·3
1889	76·7	+0·1	76·7	+0·4	76·7	−0·4	76·1	−1·0	76·4	−0·7	76·9	−0·9	76·6	−0·5	77·5	+0·1	77·3	−0·3	77·9	−0·4	78·2	+0·1	79·1	+0·2	78·0	−0·1	79·7	−0·3	77·3	−0·3
1890	77·6	+1·0	77·3	+1·0	77·8	+0·7	77·5	+0·4	77·7	+0·6	78·3	+0·5	77·7	+0·6	78·2	+0·8	78·1	+0·5	78·9	+0·6	78·6	+0·5	79·4	+0·5	78·6	+0·5	80·6	+0·6	78·2	+0·6
1891	76·6	0·0	76·3	0·0	76·3	−0·8	76·0	−1·1	76·3	−0·8	76·6	−1·2	76·3	−0·8	77·2	−0·2	77·2	−0·4	77·6	−0·7	77·9	−0·2	78·7	−0·2	77·7	−0·4	79·2	−0·8	77·0	−0·6
1892	75·4	−1·2	75·2	−1·1	75·7	−1·4	75·4	−1·7	75·6	−1·5	76·5	−1·3	75·7	−1·4	76·2	−1·2	76·3	−1·3	77·3	−1 0	77·0	−1·1	77·6	−1·3	76·9	−1·2	79·1	−0·9	76·3	−1·3
1893	76·8	+0·2	76·8	+0·5	77·6	+0·5	77·3	+0·2	77·6	+0·5	78·2	+0·4	77·5	+0·4	77·8	+0·4	78·1	+0·5	79·0	+0·7	78·7	+0·6	79·6	+0·7	78·6	+0·5	80·8	+0·8	78·1	+0·5
1894	77·0	+0·4	76·8	+0·5	77·3	+0·2	77·4	+0·3	77·7	+0·6	78·4	+0·6	77·6	+0·5	78·0	+0·6	78·6	+1·0	**78·9**	**+0·6**	78·4	+0·3	79·4	+0·5	78·7	+0·6	80·5	+0·5	78·1	+0·5
1895	74·3	−2·3	73·3	−3·0	74·6	−2·5	**74·3**	**−2·8**	**73·9**	**−3·2**	**74·8**	**−3·0**	**74·2**	**−2·9**	**74·5**	**−2·9**	74·7	−2·9	75·4	−2·9	**75·5**	**−2·6**	**76·6**	**−2·3**	**75·3**	**−2·8**	**77·4**	**−2·6**	**74·8**	**−2·8**
1896	78·0	+1·4	77·7	+1·4	78·1	+1·0	77·9	+0·8	78·2	+1·1	78·9	+1·1	78·2	+1·1	78·7	+1·3	78·8	+1·2	79·6	+1·3	79·3	+1·2	80·5	+1·6	79·4	+1·3	81·2	+1·2	78·8	+1·2
1897	76·1	−0·5	76·0	− 0·3	77·1	0·0	77·3	+0·2	77·3	+0·2	78·4	+0·6	77·2	+0·1	77·2	−0·2	77·7	+0·1	78·8	+0·5	77·8	−0·3	79·0	+0·1	78·1	0·0	80·6	+0·6	77·7	+0·1
1898	77·5	+0·9	77·6	+1·3	78·1	+1·0	77·7	+0·6	77·8	+0·7	78·7	+0·9	78·0	+0·9	78·6	+1·2	78·6	+1·0	79·1	+0·8	78·9	+0·8	79·8	+0·9	79·0	+0·9	80·7	+0·7	78·5	+0·9
1899	76·5	−0·1	76·3	0·0	77·6	+0·5	78·1	+1·0	77·8	+0·7	78·9	+1·1	77·8	+0·7	77·8	+0·4	78·4	+0·8	79·3	+1·0	78·4	+0·3	79·6	+0·7	78·7	+0·6	81·2	+1·2	78·3	+0·7
1900	75·6	−1·0	75·2	−1·1	76·1	−1·0	76·4	−0·7	76·2	−0·9	77·4	−0·4	76·3	−0·8	76·4	−1·0	76·7	−0·9	77·8	−0·5	76·9	−1·2	77·5	−1·4	77·1	−1·0	80·0	0·0	76·7	−0·9
1901	76·3	−0·3	75·8	−0·5	76·3	−0·8	75·9	−1·2	75·9	−1·2	76·6	−1·2	76·1	−1·0	76·9	−0·5	76·6	−1·0	77·3	−1·0	77·4	−0·7	77·9	−1·0	77·2	−0·9	79·2	−0·8	76·7	−0·9
1902	76·3	−0·3	76·0	−0·3	77·2	+0·1	77·3	+0·2	77·3	+0·2	78·1	+0·3	77·2	+0·1	77·3	−0·1	77·6	0·0	78·6	+0·3	78·1	0·0	79·2	+0·3	78·2	+0·1	80·4	+0·4	77·7	+0·1
1903	77·3	+0·7	77·3	+1·0	78·7	+1·6	**79·3**	**+2·2**	78·8	+1·7	**79·7**	**+1·9**	78·7	+1·6	78·6	+1·2	79·1	+1·5	80·0	+1·7	78·8	+0·7	79·8	+0·9	79·2	+1·1	**81·3**	**+1·3**	79·0	+1·4
1904	76·6	0·0	76·0	−0·3	76·8	−0·3	77·0	−0·1	76·8	−0·3	77·6	−0·2	76·8	−0·3	77·2	−0·2	77·1	−0·5	78·3	0·0	77·6	−0·5	78·6	−0·3	77·7	−0·4	79·8	−0·2	77·3	−0·3
1905	77·5	+0·9	77·3	+1·0	78·0	+0·9	78·1	+1·0	77·9	+0·8	78·6	+0·8	78·0	+0·9	78·3	+0·9	78·4	+0·8	79·0	+0·7	78·7	+0·6	79·7	+0·8	78·8	+0·7	80·7	+0·7	78·4	+0·8
1906	76·2	−0·4	76·2	−0·1	77·[illegible]	+0·2	77·6	+0·5	77·4	+0·3	78·0	+0·2	77·3	+0·2	77·4	0·0	77·6	0·0	78·3	0·0	78·0	−0·1	79·1	+0·2	78·1	0·0	80·1	+0·1	77·7	+0·1
1907	76·6	0·0	76·6	+0·3	77·[illegible]	0·0	76·8	−0·3	77·1	0·0	77·4	−0·4	77·0	−0·1	77·6	+0·2	77·4	−0·2	77·8	−0·5	78·3	+0·2	79·2	+0·3	78·1	0·0	79·8	−0·2	77·6	0·0
1908	76·8	+0·2	76·2	−0·1	76·7	−0·4	76·6	−0·5	76·5	−0·6	77·1	−0·7	76·6	−0·5	77·3	−0·1	77·1	−0·5	77·7	−0·6	78·3	+0·2	78·8	−0·1	77·8	−0·3	79·6	−0·4	77·2	−0·4
1909	76·4	−0·2	75·6	−0·7	76·1	−1·0	76·2	−0·9	75·9	−1·2	76·4	−1·4	76·1	−1·0	76·9	−0·5	76·7	−0·9	77·2	−1·1	78·1	0·0	78·7	−0·2	77·5	−0·6	79·4	−0·6	76·8	−0·8
1910	76·5	−0·1	76·4	+0·1	77·4	+0·3	77·8	+0·7	77·6	+0·5	78·3	+0·5	77·5	+0·4	77·6	+0·2	77·9	+0·3	78·8	+0·5	78·2	+0·1	78·9	0·0	78·3	+0·2	80·6	+0·6	77·9	+0·3
1911	77·3	+0·7	76·8	+0·5	77·4	+0·3	77·4	+0·3	77·3	+0·2	77·7	−0·1	77·3	+0·2	77·9	+0·5	78·3	+0·7	78·1	−0·2	78·4	+0·3	78·9	0·0	78·3	+0·2	79·7	−0·3	77·8	+0·2
1912	77·3	+0·7	76·9	+0·6	77·8	+0·7	78·7	+1·6	78·1	+0·8	79·3	+1·5	78·1	+1·0	77·8	+0·4	78·2	+0·6	79·3	+1·0	78·7	+0·6	79·7	+0·8	78·7	+0·6	81·2	+1·2	78·4	+0·8
1913	77·2	+0·6	76·5	+0·2	77·4	+0·3	78·4	+1·3	77·8	+0·7	78·9	+1·1	77·8	+0·7	77·7	+0·3	78·1	+0·5	79·0	+0·7	78·4	+0·3	79·0	+0·1	78·4	+0·3	80·8	+0·8	78·2	+0·6
1914	77·4	+0·8	76·9	+0·6	78·3	+1·2	78·4	+1·3	78·3	+1·2	78·6	+0·8	78·1	+1·0	78·1	+0·7	78·7	+1·1	79·0	+0·7	78·6	+0·5	79·4	+0·5	78·8	+0·7	80·3	+0·3	78·4	+0·8
1915	76·6	0·0	76·1	−0·2	77·2	+0·1	77·4	+0·3	77·2	+0·1	77·9	+0·1	77·2	+0·1	77·1	−0·3	77·6	0·0	78·1	−0·2	77·5	−0·6	78·2	−0·7	77·7	−0·4	79·7	−0·3	77·4	−0·2
1916	76·8	+0·2	76·3	0·0	77·5	+0·4	77·9	+0·8	77·6	+0·5	78·5	+0·7	77·6	+0·5	77·5	+0·1	78·2	+0·6	78·6	+0·3	78·1	0·0	78·9	0·0	78·2	+0·1	80·1	+0·1	77·9	+0·3
1917	75·6	−1·0	74·7	−1·6	75·0	−2·1	74·9	−2·2	74·7	−2·4	75·4	−2·4	75·0	−2·1	75·7	−1 7	75·4	−2 2	75·9	−2·4	76·5	−1·6	76·9	−2·0	76·1	−2·0	77·7	−2·3	75·5	−2·1
1918	77·2	+0·6	76·8	+0·5	77·9	+0·8	78·0	+0·9	78·3	+1·2	78·6	+0·8	77·9	+0·8	78·0	+0·6	78·7	+1·1	79·3	+1·0	79·0	+0·9	79·9	+1·0	79·0	+0·9	80·4	+0·4	78·5	+0·9
1919	75·1	−1·5	74·4	−1·9	75·7	−1·4	75·9	−1·2	75·5	−1·6	76·8	−1·0	75·6	−1·5	75·9	−1 5	76·1	−1 5	77·1	−1 2	76·9	−1·2	77·7	−1·2	76·7	−1·4	79·3	−0·7	76·2	−1·4
1920	77·3	+0·7	77·4	+1·1	78·5	+1·4	79·0	+1·9	**78·9**	**+1·8**	79·6	+1·8	78·7	+1·6	78·3	+0·9	79·1	+1·5	79·8	+1·5	79·0	+0·9	79·8	+0·9	79·2	+1·1	81·1	+1·1	79·0	+1·4
Lustra 1881–1885	76·4	−0·2	76·3	0·0	77·1	0·0	77·3	+0·2	77·4	+0·3	78·2	+0·4	77·3	+0·2	77·4	0·0	77·7	+0·1	78·9	+0·6	78·2	+0·1	79·2	+0·3	78·3	+0·2	80·2	+0·2	77·8	+0·2
1886–1890	76·4	−0·2	76·2	−0·1	76·5	−0·6	76·0	−1·1	76·2	−0·9	76·8	−1·0	76·3	−0·8	77·0	−0·4	76·8	−0·8	77·6	−0·7	77·7	−0·4	78·4	−0·5	77·5	−0·6	79·2	−0·8	76·9	−0·7
1891–1895	76·0	−0·6	75·7	−0·6	76·3	−0·8	76·1	−1·0	76·2	−0·9	76·9	−0·9	76·2	−0·9	76·7	−0·7	76·9	−0·7	77·7	−0·6	77·5	−0·6	78·4	−0·5	77·4	−0·7	79·4	−0·6	76·8	−0·8
1896–1900	76·7	+0·1	76·6	+0·3	77·4	+0·3	77·5	+0·4	77·5	+0·4	78·4	+0·6	77·5	+0·4	77·7	+0·3	78·1	+0·5	78·9	+0·6	78·3	+0·2	79·3	+0·4	78·4	+0·3	80·7	+0·7	78·0	+0·4
1901–1905	76·8	+0·2	76·5	+0·2	77·4	+0·3	77·5	+0·4	77·4	+0·3	78·1	+0·3	77·4	+0·3	77·7	+0·3	77·8	+0·2	78·7	+0·4	78·1	0·0	79·1	+0·2	78·2	+0·1	80·3	+0·3	77·8	+0·2
1906–1910	76·5	−0·1	76·2	−0·1	76·9	−0·2	77·0	−0·1	76·9	−0·2	77·4	−0·4	76·9	−0·2	77·4	0·0	77 3	−0·3	77·9	−0·4	78·2	+0·1	78·9	0·0	77·9	−0·2	79·9	−0·1	77·4	−0·2
1911–1915	77·2	+0·6	76·7	+0·4	77·7	+0·6	78·1	+1·0	77·7	+0·6	78·5	+0·7	77·7	+0·6	77·7	+0·3	78·2	+0·6	78·7	+0·4	78·3	+0·2	79·1	+0·2	78·4	+0·3	80·3	+0·3	78·1	+0·5
1916–1920	76·4	−0·2	75·9	−0·4	75·9	−1·2	77·1	0·0	77·0	−0·1	77·8	0·0	77·0	−0·1	77·1	−0·3	77·5	−0·1	78·1	+0·2	77·9	−0·2	78·6	−0·3	77·8	−0·3	79·7	−0·3	77·4	−0·2

DISTRICT VALUES. 1881 TO 1920. FIRST QUARTER.

TABLE IV.—SUNSHINE—DURATION IN THOUSAND HOURS, DAILY MEANS AND PERCENTAGES OF THE NORMALS FOR THE **35** YEARS **1881-1915.**

	0 Scotland, N.			EASTERN DISTRICTS. 1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Districts 1-5.			WESTERN DISTRICTS. 6 Scotland, W.			7 England, N.W. and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Districts 6-10			11 English Channel.			Districts 1-10		
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.
Normal (1881–1915)	·18	2·0	—	·23	2·5	—	·24	2·6	—	·25	2·8	—	·22	2·4	—	·25	2·8	—	·24	2·6	—	·21	2·3	—	·22	2·4	—	·25	2·8	—	·22	2·4	—	·24	2·7	—	·23	2·5	—	·31	3·4	—	·23	2·6	—
1881 ..	·16	1·8	92	·26	2·9	117	·24	2·6	[illegible]	·27	3·0	109	·26	2·9	119	·27	3·0	109	·26	2·9	112	·24	2·6	114	·25	2·7	112	·31	3·4	122	·26	2·9	123	**·31**	**3·4**	**126**	·27	3·0	120	·32	3·5	104	·27	3·0	118
1882 ..	·15	1·6	82	·28	3·1	125	·26	2·9	[illegible]	·24	2·6	94	·21	2·3	94	·27	3·0	109	·25	2·7	104	·15	1·6	70	·16	1·8	74	·23	2·5	90	·23	2·5	106	·23	2·5	93	·20	2·2	88	·32	3·5	104	·22	2·4	94
1883 ..	·22	2·4	122	·26	2·9	117	·30	3·3	125	·31	3·4	123	·29	3·2	131	·31	3·4	123	·29	3·2	123	·25	2·7	119	·27	3·0	124	·31	3·4	122	·24	2·6	110	·28	3·1	115	·27	3·0	120	·38	4·2	125	·28	3·1	121
1884 ..	·16	1·8	92	·19	2·1	85	·17	1·9	[illegible]	·21	2·3	83	·18	2·0	82	·20	2·2	80	·19	2·1	81	**·14**	**1·5**	**66**	**·13**	**1·4**	**58**	**·16**	**1·8**	**65**	**·14**	**1·5**	**64**	**·17**	**1·9**	**70**	**·15**	**1·6**	**64**	·31	3·4	101	**·17**	**1·9**	**74**
1885 ..	·15	1·6	82	·20	2·2	89	**·11**	**1·2**	[illegible]	·22	2·4	87	·18	2·0	82	·19	2·1	76	**·18**	**2·0**	**77**	·19	2·1	93	·15	1·6	66	·20	2·2	79	·22	2·4	102	·26	2·9	107	·20	2·2	88	·27	3·0	90	·19	2·1	82
1886 ..	·18	2·0	102	·18	2·0	81	·19	2·1	80	·20	2·2	80	·17	1·9	78	·18	2·0	72	**·18**	**2·0**	**77**	·15	1·6	70	·17	1·9	79	·17	1·9	68	**·14**	**1·5**	**64**	·20	2·2	81	·17	1·9	76	·26	2·9	87	·18	2·0	78
1887 ..	·17	1·9	97	·28	3·1	125	·31	3·4	129	·31	3·4	123	·25	2·7	111	·26	2·9	105	·28	3·1	119	·23	2·5	110	·26	2·9	120	·31	3·4	122	·25	2·7	114	**·31**	**3·4**	**126**	·27	3·0	120	**·41**	**4·5**	**134**	·28	3·1	121
1888 ..	·19	2·1	107	·19	2·1	85	·22	2·4	91	·18	2·0	72	·18	2·0	82	**·16**	**1·8**	**65**	·19	2·1	81	·24	2·6	114	·22	2·4	99	·24	2·6	94	·20	2·2	93	·26	2·9	107	·23	2·5	100	**·24**	**2·6**	**78**	·21	2·3	90
1889 ..	**·13**	**1·4**	**71**	·21	2·3	93	·23	2·5	95	·20	2·2	80	·19	2·1	86	·19	2·1	76	·20	2·2	85	·21	2·3	101	·20	2·2	91	·23	2·5	90	·18	2·0	85	·24	2·6	96	·21	2·3	92	·30	3·3	99	·20	2·2	86
1890 ..	·15	1·6	82	·20	2·2	89	·20	2·2	84	·24	2·6	94	·21	2·3	94	·22	2·4	87	·21	2·3	88	·17	1·9	84	·19	2·1	87	·24	2·6	94	·21	2·3	97	·25	2·7	100	·21	2·3	92	·31	3·4	101	·21	2·3	90
1891 ..	·21	2·3	117	·27	3·0	121	·28	3·1	118	·29	3·2	116	·27	3·0	123	·28	3·1	112	·28	3·1	119	·25	2·7	119	·26	2·9	120	·30	3·3	119	**·27**	**3·0**	**127**	·30	3·3	122	**·28**	**3·1**	**124**	**·41**	**4·5**	**134**	·28	3·1	121
1892 ..	**·23**	**2·5**	**128**	·26	2·9	117	·28	3·1	118	·24	2·6	94	·24	2·6	107	·27	3·0	109	·26	2·9	112	·25	2·7	119	·26	2·9	120	·31	3·4	122	·23	2·5	106	·27	3·0	111	·26	2·9	116	·30	3·3	99	·26	2·9	114
1893 ..	·19	2·1	107	·27	3·0	121	·29	3·2	122	·31	3·4	123	·30	3·3	135	·31	3·4	123	·30	3·3	127	·24	2·6	114	·24	2·6	107	·29	3·2	115	·22	2·4	102	·24	2·6	96	·25	2·7	108	·37	4·1	122	·27	3·0	118
1894 ..	·19	2·1	107	**·31**	**3·4**	**137**	·34	3·7	141	·35	3·8	138	·30	3·3	135	**·35**	**3·8**	**138**	·33	3·6	138	**26**	**2·9**	**128**	·26	2·9	120	**·33**	**3·6**	**130**	·26	2·9	123	·29	3·2	119	**·28**	**3·1**	**124**	·38	4·2	125	**·31**	**3·4**	**133**
1895 ..	·22	2·4	122	·20	2·2	89	·26	2·9	110	·25	2·7	98	·23	2·5	102	·28	3·1	112	·24	2·6	100	·22	2·4	106	·19	2·1	87	·29	3·2	115	·22	2·4	102	·26	2·9	107	·24	2·6	104	·35	3·8	113	·24	2·6	102
1896 ..	·14	1·5	77	·22	2·4	97	·20	2·2	84	·20	2·2	80	·19	2·1	86	·20	2·2	80	·20	2·2	85	·16	1·8	79	·15	1·6	66	·20	2·2	79	·17	1·9	81	·19	2·1	78	·17	1·9	76	·26	2·9	87	·19	2·1	82
1897 ..	·16	1·8	92	·18	2·0	81	·22	2·4	91	·21	2·3	83	·20	2·2	90	·22	2·4	87	·21	2·3	88	·19	2·1	93	·19	2·1	87	·22	2·4	86	·21	2·3	97	·24	2·6	96	·21	2·3	92	**·24**	**2·6**	**78**	·21	2·3	90
1898 ..	·19	2·1	107	·26	2·9	117	·27	3·0	114	·24	2·6	94	·22	2·4	98	·23	2·5	91	·24	2·6	100	·23	2·5	110	·26	2·9	120	·26	2·9	104	·23	2·5	106	·26	2·9	107	·25	2·7	108	·29	3·2	96	·24	2·6	102
1899 ..	·20	2·2	112	·25	2·7	109	·28	3·1	118	·35	3·8	138	·29	3·2	131	**·35**	**3·8**	**138**	·30	3·3	127	·22	2·4	106	·28	3·1	128	·30	3·3	119	**·27**	**3·0**	**127**	·29	3·2	119	·27	3·0	120	·35	3·8	113	·29	3·2	125
1900 ..	·20	2·2	112	·21	2·3	93	·20	2·2	84	·23	2·5	91	·18	2·0	82	·22	2·4	87	·21	2·3	88	·22	2·4	106	·21	2·3	95	·23	2·5	90	·24	2·6	110	·26	2·9	107	·23	2·5	100	·25	2·7	81	·22	2·4	94
1901 ..	·18	2·0	102	·18	2·0	81	·20	2·2	84	·20	2·2	80	·16	1·8	74	·20	2·2	80	·19	2·1	81	·21	2·3	101	·22	2·4	99	·24	2·6	94	·21	2·3	97	·24	2·6	96	·22	2·4	96	**·24**	**2·6**	**78**	·21	2·3	90
1902 ..	·17	1·9	97	·19	2·1	85	·22	2·4	91	·25	2·7	[illegible]	·19	2·1	86	·25	2·7	98	·22	2·4	92	·17	1·9	84	·21	2·3	95	·22	2·4	86	·17	1·9	81	·22	2·4	89	·20	2·2	88	·26	2·9	87	·21	2·3	90
1903 ..	·14	1·5	77	·18	2·0	81	·23	2·5	95	**·37**	**4·1**	**149**	·21	2·3	94	·25	2·7	98	·23	2·5	96	·16	1·8	79	·20	2·2	91	·21	2·3	83	·20	2·2	93	·20	2·2	81	·19	2·1	84	·29	3·2	96	·21	2·3	90
1904 ..	·17	1·9	97	**·17**	**1·9**	**77**	·17	1·9	72	·21	2·3	83	·16	1·8	74	·21	2·3	83	**·18**	**2·0**	**77**	·16	1·8	79	·17	1·9	79	·21	2·3	83	·17	1·9	81	·19	2·1	78	·18	2·0	80	·27	3·0	90	·18	2·0	78
1905 ..	·15	1·6	82	·22	2·4	97	·27	3·0	114	·31	3·4	123	·25	2·7	111	·29	3·2	116	·27	3·0	115	·25	2·7	119	·25	2·7	112	·27	3·0	108	·26	2·9	123	·27	3·0	111	·26	2·9	116	·30	3·3	99	·27	3·0	118
1906 ..	·19	2·1	107	·27	3·0	121	·28	3·1	118	·27	3·0	[illegible]	·25	2·7	111	·29	3·2	116	·27	3·0	115	**·26**	**2·9**	**128**	·25	2·7	112	·29	3·2	115	·23	2·5	106	·25	2·7	100	·26	2·9	116	·32	3·5	104	·27	3·0	118
1907 ..	·19	2·1	107	**·31**	**3·4**	**137**	**·36**	**4·0**	**152**	·35	3·8	[illegible]	**·32**	**3·5**	**143**	**·35**	**3·8**	**138**	**·34**	**3·7**	**142**	·24	2·6	114	**·31**	**3·4**	**140**	·32	3·5	126	·24	2·6	110	·26	2·9	107	·27	3·0	120	·35	3·8	113	·30	3·3	129
1908 ..	·17	1·9	97	·22	2·4	97	·24	2·6	99	·23	2·5	[illegible]	·20	2·2	90	·25	2·7	98	·23	2·5	96	·18	2·0	88	·22	2·4	99	·25	2·7	97	·22	2·4	102	·22	2·4	89	·22	2·4	96	·30	3·3	99	·22	2·4	94
1909 ..	·17	1·9	97	**·17**	**1·9**	**77**	·22	2·4	91	·25	2·7	98	·22	2·4	98	·27	3·0	109	·22	2·4	92	·19	2·1	93	·25	2·7	112	·27	3·0	108	·18	2·0	85	·22	2·4	89	·22	2·4	96	·33	3·6	107	·22	2·4	94
1910 ..	·22	2·4	122	·28	3·1	125	·29	3·2	122	·32	3·5	127	·31	3·4	139	·33	3·6	130	·31	3·4	131	·23	2·5	110	·29	3·2	132	·32	3·5	126	·21	2·3	97	·25	2·7	100	·26	2·9	116	·36	4·0	119	·28	3·1	121
1911 ..	·20	2·2	112	·23	2·5	101	·21	2·3	87	·23	2·5	91	·20	2·2	90	·24	2·6	94	·22	2·4	92	·22	2·4	106	·23	2·5	103	·24	2·6	94	·24	2·6	110	·26	2·9	107	·24	2·6	104	·27	3·0	90	·23	2·5	98
1912 ..	·20	2·2	112	·19	2·2	89	·19	2·0	76	·18	2·0	72	·17	1·8	74	·19	2·0	72	**·18**	**2·0**	**77**	·18	2·0	88	·19	2·7	112	·20	2·2	79	·20	2·3	97	·23	2·5	93	·22	2·2	88	**·24**	**2·6**	**78**	·20	2·1	82
1913 ..	·15	1·6	81	·19	2·1	82	·20	2·2	81	·22	2·5	89	·18	2·0	83	·23	2·6	93	·23	2·3	85	·17	1·8	80	·20	2·2	90	·22	2·4	86	·19	2·1	87	·20	2·2	82	·20	2·1	85	·27	3·0	87	·20	2·2	85
1914 ..	·17	1·9	98	·21	2·3	91	·21	2·3	87	·25	2·7	96	·18	2·0	83	·25	2·7	96	·22	2·4	90	·16	1·8	78	·19	2·1	86	·20	2·2	79	·17	1·9	78	·21	2·3	84	·19	2·1	81	·26	2·8	81	·20	2·2	86
1915 ..	·15	1·7	89	·20	2·2	88	·22	2·5	91	·24	2·7	96	·22	2·4	100	·23	2·6	93	·22	2·5	92	·24	2·7	117	·24	2·6	107	·24	2·8	100	·22	2·4	101	·27	3·0	109	·24	2·7	106	·27	3·0	89	·23	2·6	99
1916 ..	·17	1·9	94	·20	2·2	89	·20	2·2	83	·18	2·0	73	·16	1·8	74	·20	2·2	79	·19	2·1	80	·19	2·1	93	·16	1·8	76	·20	2·2	80	·21	2·3	97	·21	2·3	87	·20	2·2	86	**·24**	**2·6**	**76**	·20	2·1	83
1917 ..	·16	1·8	89	·22	2·4	95	·17	1·9	74	**·15**	**1·7**	**63**	**·14**	**1·6**	**64**	·20	2·2	79	**·18**	**2·0**	**75**	·20	2·2	97	·19	2·1	88	·25	2·8	101	·21	2·3	97	·23	2·6	96	·22	2·4	96	·26	2·9	85	·20	2·2	86
1918 ..	·14	1·6	81	·18	2·0	80	·22	2·4	91	·27	3·0	110	·21	2·3	95	·29	3·2	116	·23	2·6	99	·16	1·8	79	·21	2·3	94	·24	2·7	99	·19	2·1	90	·23	2·5	91	·21	2·3	91	·33	3·7	109	·22	2·4	95
1919 ..	·22	2·4	121	·21	2·3	92	·18	2·0	76	·18	2·0	72	·19	2·1	85	·19	2·1	76	·19	2·1	80	·21	2·3	103	·21	2·3	93	·25	2·8	101	·23	2·6	112	·23	2·7	98	·22	2·5	101	·25	2·8	82	·21	2·3	90
1920 ..	**·13**	**1·4**	**71**	·24	2·7	109	·26	2·9	108	·28	3·1	113	·23	2·6	105	·27	3·0	109	·26	2·9	109	·17	1·9	83	·22	2·4	97	·24	2·6	93	·21	2·3	98	·23	2·5	91	·21	2·3	92	·29	3·2	97	·23	2·6	101
LUSTRA. 1881–1885..	·17	1·9	97	·24	2·6	105	·22	2·4	91	·25	2·7	98	·22	2·4	98	·25	2·7	98	·24	2·6	100	·19	2·1	93	·19	2·1	87	·24	2·6	94	·22	2·4	102	·25	2·7	100	·22	2·4	96	·32	3·5	104	·23	2·5	98
1886–1890..	·16	1·8	92	·21	2·3	93	·23	2·5	95	·23	2·5	91	·20	2·2	90	·20	2·2	80	·21	2·3	88	·20	2·2	97	·21	2·3	95	·24	2·6	94	·20	2·2	93	·25	2·7	100	·22	2·4	96	·30	3·3	98	·22	2·4	94
1891–1895..	·21	2·3	117	·26	2·9	117	·29	3·2	122	·29	3·2	116	·27	3·0	123	·30	3·3	120	·28	3·1	119	·24	2·6	114	·24	2·6	107	·30	3·3	119	·24	2·6	110	·27	3·0	111	·26	2·9	115	·36	3·9	116	·27	3·0	117
1896–1900..	·18	2·0	102	·22	2·4	97	·23	2·5	95	·25	2·7	98	·22	2·4	98	·24	2·6	94	·23	2·5	96	·20	2·2	97	·22	2·4	99	·24	2·6	94	·22	2·4	102	·25	2·7	100	·23	2·5	100	·28	3·1	93	·23	2·5	98
1901–1905..	·18	1·8	92	·19	2·1	85	·22	2·4	91	·25	2·7	98	·19	2·1	86	·24	2·6	94	·22	2·4	92	·19	2·1	93	·21	2·3	95	·23	2·5	90	·20	2·2	93	·22	2·4	89	·21	2·3	92	·27	3·0	90	·22	2·4	94
1906–1910..	·19	2·1	107	·25	2·7	109	·28	3·1	118	·28	3·1	112	·26	2·9	119	·30	3·3	120	·27	3·0	115	·22	2·4	106	·26	2·9	120	·29	3·2	115	·22	2·4	102	·24	2·6	96	·25	2·7	107	·33	3·6	107	·26	2·9	113
1911–1915..	·17	1·9	97	·20	2·3	93	·21	2·3	87	·22	2·5	91	·19	2·1	86	·23	2·5	91	·21	2·3	88	·19	2·1	93	·21	2·4	98	·22	2·4	86	·20	2·3	97	·23	2·6	96	·21	2·3	92	·26	2·9	87	·21	2·3	90
1916–1920..	·16	1·8	92	·21	2·3	93	·21	2·3	87	·21	2·3	83	·19	2·1	86	·23	2·5	91	·21	2·3	88	·19	2·1	93	·20	2·2	90	·24	2·6	94	·21	2·3	97	·23	2·6	96	·21	2·3	92	·27	3·0	90	·21	2·3	90

METEOROLOGICAL OFFICE, LONDON: SIR NAPIER SHAW, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: 23rd July, 1920.

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DISTRICT VALUES OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE, FOR THE QUARTER, APRIL TO JUNE, IN THE YEARS 1878-1920.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881-1915.

EASTERN DISTRICTS.

YEARS.	0 Scotland, N.			1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Means for Eastern Districts.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
Normal (1881-1915).	53	mm. 220	—	46	mm. 159	—	41	mm. 138	—	39	mm. 136	—	40	mm. 151	—	37	mm. 136	—	41	mm. 143	—
1878	38	119	54	38	196	123	44	193	140	54	208	153	56	234	155	51	213	157	48	208	145
1879	46	145	66	56	262	165	57	211	153	58	257	189	64	254	168	58	262	193	61	249	174
1880	46	160	73	43	152	96	44	168	122	50	160	118	48	183	121	43	140	103	45	160	112
1881	49	226	103	45	175	110	41	114	83	35	109	80	37	109	72	33	107	79	38	122	85
1882	51	241	109	51	231	145	47	234	170	48	203	149	49	251	166	47	201	148	48	224	157
1883	48	185	84	40	119	75	39	152	110	36	170	125	39	183	121	36	130	96	38	150	105
1884	48	206	94	39	112	71	39	81	59	33	97	71	32	107	71	31	119	88	35	104	73
1885	61	221	100	46	173	109	48	155	112	43	165	121	48	173	115	43	152	112	46	163	114
1886	59	216	98	46	198	125	46	155	112	43	132	97	50	239	158	45	163	120	46	178	124
1887	45	168	76	32	94	59	33	76	55	35	91	67	31	102	68	31	97	71	32	91	64
1888	56	231	105	44	180	113	43	130	94	43	130	96	41	152	101	42	157	115	43	150	105
1889	50	132	60	42	147	93	39	127	92	43	185	136	41	206	136	41	145	107	41	163	114
1890	58	229	104	52	142	89	41	119	86	41	114	84	40	119	79	42	160	118	43	132	92
1891	45	160	73	36	112	71	35	109	79	41	140	103	43	170	113	38	122	90	39	130	91
1892	59	231	105	51	163	103	51	185	134	42	155	114	38	140	93	31	94	69	43	147	103
1893	41	132	60	36	130	82	28	81	59	22	58	43	23	79	52	20	43	32	26	79	55
1894	47	155	70	49	168	106	54	183	133	48	180	132	45	150	99	44	147	108	48	165	115
1895	49	226	103	38	124	78	32	104	75	27	74	54	28	104	69	26	74	54	30	97	68
1896	54	229	104	42	127	80	37	81	59	33	97	71	30	97	64	28	76	56	34	97	68
1897	49	221	100	47	203	128	39	137	99	39	135	99	40	170	113	35	137	101	40	157	110
1898	57	251	114	50	178	112	50	157	114	46	170	125	48	168	111	46	157	115	48	165	115
1899	51	226	103	52	213	134	47	180	130	40	152	112	42	163	108	37	135	99	44	168	117
1900	58	254	115	49	152	96	39	124	90	42	127	93	41	140	93	37	130	96	42	135	94
1901	50	211	96	45	163	103	34	104	75	36	107	79	35	109	72	31	104	76	36	117	82
1902	59	208	95	54	175	110	47	160	116	49	170	125	48	165	109	50	170	125	50	168	117
1903	50	234	106	46	132	83	40	147	107	33	183	135	38	191	126	35	206	51	38	173	121
1904	59	333	151	50	165	104	38	114	83	36	94	69	38	112	74	40	124	91	40	122	85
1905	53	170	77	45	117	74	40	107	78	43	170	125	42	142	94	40	170	125	42	142	99
1906	56	218	99	49	196	123	45	135	98	33	135	99	39	132	87	31	127	93	39	145	101
1907	66	264	120	58	216	136	55	206	149	53	175	129	59	203	134	51	188	138	55	198	138
1908	61	259	118	52	147	93	45	132	96	40	140	103	41	175	116	39	145	107	43	147	103
1909	55	193	88	49	180	113	42	147	107	40	150	110	40	163	108	40	173	127	42	163	114
1910	55	302	137	52	173	109	50	155	112	49	188	138	53	183	121	53	183	135	51	175	122
1911	48	244	111	45	165	104	37	157	114	33	124	91	31	107	71	30	112	82	35	132	92
1912	56	282	128	48	155	98	43	196	142	36	97	71	38	173	115	31	122	90	39	147	103
1913	57	274	125	48	178	112	44	155	112	38	122	90	44	165	109	38	137	101	42	152	106
1914	53	231	105	38	127	80	32	124	90	33	97	71	32	117	77	28	91	67	33	112	78
1915	45	178	81	36	109	69	25	81	59	28	113	83	29	112	74	28	140	103	29	111	78
1916	61	265	120	52	255	161	45	153	111	44	148	109	43	137	91	40	133	98	45	166	116
1917	57	200	91	39	164	103	38	120	87	34	122	90	37	163	108	33	171	126	36	148	103
1918	46	161	73	40	112	71	37	113	82	37	142	104	35	135	89	36	131	96	37	126	88
1919	56	275	125	43	138	87	39	84	61	32	107	79	36	96	64	28	96	71	36	104	73
1920	53	216	98	50	158	99	48	188	136	45	153	112	52	236	156	44	160	118	48	179	125
Lustra. 1881–1885.. ..	51	216	98	44	163	103	43	147	107	39	150	110	41	165	109	38	142	104	41	152	106
1886–1890.. ..	54	196	89	43	152	96	40	122	88	41	130	96	41	163	108	40	145	107	41	142	99
1891–1895.. ..	48	180	82	42	140	88	40	132	96	36	122	90	35	130	86	32	97	71	37	124	87
1896–1900.. ..	54	236	107	48	175	110	42	137	99	40	137	111	40	147	97	37	127	93	42	145	101
1901–1905.. ..	54	231	105	48	150	94	40	127	92	39	145	107	40	145	96	39	155	114	41	145	101
1906–1910.. ..	59	246	112	52	183	115	47	155	112	43	157	115	46	170	113	43	163	120	46	165	115
1911–1915.. ..	52	242	110	43	147	93	36	143	104	34	111	82	35	135	89	31	120	88	36	131	92
1916–1920.. ..	55	225	102	45	165	104	41	132	96	38	134	98	41	153	101	36	138	101	40	145	101

WESTERN DISTRICTS.

YEARS.	6 Scotland, W.			7 England, N.W. and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Means for Western Districts.			11 English Channel.			Means for Districts 1-10 Combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
Normal (1881-1915).	47	mm. 216	—	43	mm. 171	—	41	mm. 176	—	51	mm. 192	—	47	mm. 195	—	46	mm. 190	—	42	mm. 141	—	44	mm. 167	—
1878	42	231	107	48	211	123	58	295	168	49	231	120	62	353	181	52	264	139	61	254	180	51	236	141
1879	51	264	122	55	213	125	61	287	163	58	254	132	63	295	151	57	262	138	64	226	160	59	257	154
1880	46	213	99	40	170	99	38	137	78	53	216	112	46	198	102	45	188	99	49	117	83	45	175	105
1881	49	246	114	44	218	127	42	155	88	55	216	112	48	211	108	47	208	109	41	117	83	43	165	99
1882	51	279	129	51	269	157	55	259	147	60	239	124	56	262	134	55	262	138	49	168	119	52	244	146
1883	45	208	96	38	150	88	42	155	88	52	157	82	44	193	99	44	173	91	42	150	106	41	163	98
1884	40	142	66	32	97	57	32	124	70	42	147	77	38	117	60	37	124	65	42	124	88	37	114	68
1885	48	196	91	45	152	89	50	221	126	50	155	81	46	198	102	48	185	97	50	152	108	47	175	105
1886	48	224	104	49	239	140	46	185	105	50	201	105	50	208	107	49	211	111	50	157	111	48	196	117
1887	34	147	68	27	97	57	29	89	51	29	114	59	26	84	43	29	107	56	35	97	69	31	99	59
1888	49	290	134	43	163	95	46	191	109	50	249	130	49	257	132	47	229	121	50	168	119	45	191	114
1889	44	196	91	40	173	101	40	150	85	45	183	95	46	193	99	43	178	94	39	135	96	42	170	102
1890	50	257	119	45	152	89	51	206	117	54	160	83	58	216	111	52	198	104	55	196	139	48	165	99
1891	36	127	59	39	150	88	42	183	104	46	155	81	45	213	109	42	165	87	41	157	111	41	147	88
1892	49	254	118	50	211	123	37	117	66	56	244	127	46	203	104	47	206	108	37	122	87	45	178	107
1893	30	137	63	27	107	63	21	76	43	33	124	65	30	122	63	28	114	60	17	53	38	27	97	58
1894	53	211	98	55	178	104	51	191	109	56	203	106	53	246	126	54	206	108	53	170	121	51	185	111
1895	40	119	55	30	112	65	26	109	62	42	109	57	33	117	60	34	114	60	31	91	65	32	107	64
1896	37	160	74	35	112	65	24	71	40	44	155	81	34	97	50	35	119	63	29	71	50	35	109	65
1897	54	251	116	47	203	119	44	203	115	55	269	140	53	254	130	51	236	124	49	160	113	46	196	117
1898	55	211	98	49	224	131	47	226	128	64	239	124	51	262	134	53	234	123	50	193	137	51	201	120
1899	51	290	134	48	216	126	43	206	117	52	254	132	46	221	113	48	236	124	41	160	113	46	201	120
1900	54	284	132	44	168	98	45	216	123	59	239	124	53	246	126	51	231	122	43	127	90	47	183	110
1901	45	244	113	40	130	76	35	180	102	49	211	110	41	198	102	42	193	102	38	173	123	39	155	93
1902	55	213	99	52	170	99	49	185	105	63	206	107	55	188	96	55	193	102	49	185	131	53	180	108
1903	41	191	88	42	147	86	37	216	123	50	155	81	43	188	96	43	180	95	43	150	106	41	178	107
1904	53	259	120	48	147	86	42	165	94	58	180	94	49	178	91	50	185	97	51	137	97	45	152	91
1905	38	180	83	36	150	88	44	175	99	44	145	76	44	163	84	41	163	86	43	140	99	42	152	91
1906	47	224	104	44	165	96	41	196	111	57	198	103	51	183	94	48	193	102	35	119	84	44	170	102
1907	60	330	153	62	246	144	61	277	157	65	290	151	66	259	133	63	279	147	53	185	131	59	239	143
1908	50	229	106	50	213	125	45	152	86	58	218	114	56	178	91	52	198	104	37	109	77	48	173	104
1909	46	239	111	41	175	102	39	178	101	50	180	94	46	188	96	44	193	102	31	127	90	43	178	107
1910	54	216	100	55	208	122	53	218	124	62	224	117	61	246	126	57	224	118	49	175	124	54	198	119
1911	42	224	104	38	183	107	35	163	93	40	157	82	44	178	91	40	180	95	34	135	96	38	157	94
1912	50	236	109	43	175	102	40	191	109	48	191	99	53	218	112	47	203	107	46	130	92	43	175	105
1913	58	269	124	52	221	129	50	231	131	63	269	140	62	295	151	57	257	135	49	157	111	50	203	121
1914	43	140	65	36	119	70	34	147	84	43	145	76	39	109	56	39	132	69	29	122	87	36	122	73
1915	36	155	72	34	129	75	34	154	88	40	134	70	43	140	72	37	142	75	37	114	81	33	127	76
1916	53	266	123	46	205	120	45	179	102	60	270	141	59	257	132	52	236	124	39	90	64	49	201	120
1917	46	221	102	40	177	104	40	192	109	51	205	107	45	165	85	44	192	101	39	148	105	40	170	102
1918	39	149	69	35	141	82	34	124	70	44	129	67	40	142	73	38	137	72	32	106	75	38	132	80
1919	51	213	99	43	121	71	36	118	67	57	198	103	48	174	89	47	165	87	33	109	77	42	135	81
1920	58	269	124	56	266	156	53	250	142	61	214	111	61	251	129	58	250	132	46	162	115	53	215	129
Lustra. 1881–1885.. ..	47	213	99	42	178	104	44	183	104	52	183	95	46	196	101	46	191	101	45	142	101	44	173	103
1886–1890.. ..	45	224	104	41	165	97	42	165	94	46	180	94	46	191	98	44	185	97	46	150	106	43	165	99
1891–1895.. ..	42	170	79	40	152	89	35	135	77	47	168	88	41	180	92	41	160	84	36	119	84	39	142	85
1896–1900.. ..	50	239	111	45	185	108	41	185	105	55	231	120	47	216	111	48	211	111	42	142	101	45	178	107
1901–1905.. ..	46	212	101	44	150	88	41	185	105	53	180	94	46	183	94	46	183	96	45	157	111	44	163	98
1906–1910.. ..	51	246	114	50	201	118	48	203	115	58	221	115	56	211	108	53	218	115	41	142	101	50	191	114
1911–1915.. ..	46	205	95	41	165	97	39	177	101	47	179	93	48	188	96	44	183	96	39	132	94	40	157	94
1916–1920.. ..	49	225	104	44	182	106	42	167	95	55	203	106	51	198	102	48	216	114	38	123	87	44	171	102

DISTRICT VALUES. 1878 TO 1920. SECOND QUARTER.

TABLE II.—TEMPERATURE, FAHRENHEIT SCALE—MEAN TEMPERATURE AND DEVIATION FROM THE NORMAL FOR THE 35 YEARS, 1881-1915.

	EASTERN DISTRICTS.										WESTERN DISTRICTS.													
	0 Scotland, N.		1 Scotland, E.		2 England, N.E.		3 England, E.		4 Midland Counties.		5 England, S.E.		Districts, 1-5		6 Scotland, W.		7 England, N.W. and N. Wales.		8 S.Wales and England, S.W.		9 Ireland, N.		10 Ireland, S.		Districts 6-10		11 English Channel.		Districts 1-10	
	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.
Normal (1881–1915)	**47·7**	—	**48·6**	—	**49·8**	—	**51·3**	—	**51·3**	—	**52·5**	—	**50·7**	—	**50·0**	—	**50·7**	—	**51·8**	—	**50·4**	—	**51·8**	—	**50·9**	—	**53·1**	—	**50·9**	—
1878	*49·0*	*+1·3*	*49·4*	*+0·8*	51·3	+1·5	53·4	+2·1	53·7	+2·4	54·4	+1·9	52·4	+1·7	*52·2*	*+2·2*	53·1	+2·4	53·0	+1·2	52·2	+1·8	53·2	+1·4	52·7	+1·8	54·6	+1·5	52·6	+1·7
1879	*45·8*	*−1·9*	**45·7**	**−2·9**	**47·1**	**−2·7**	**48·4**	**−2·9**	**48·4**	**−2·9**	**49·4**	**−3·1**	**47·8**	**−2·9**	*48·0*	*−2·0*	**48·2**	**−2·5**	**49·5**	**−2·3**	**48·0**	**−2·4**	49·5	−2·3	**48·6**	**−2·3**	**50·4**	**−2·7**	**48·2**	**−2·7**
1880	*48·3*	*+0·6*	*48·7*	*+0·1*	49·1	−0·7	50·7	−0·6	50·3	−1·0	51·6	−0·9	50·1	−0·6	*50·0*	*0·0*	50·1	−0·6	51·8	0·0	50·0	−0·4	51·6	−0·2	50·7	−0·2	51·9	−1·2	50·4	−0·5
1881	*47·3*	*−0·4*	*48·6*	*0·0*	50·2	+0·4	52·2	+0·9	52·3	+1·0	53·1	+0·6	51·3	+0·6	*50·3*	*+0·3*	51·4	+0·7	52·0	+0·2	51·4	+1·0	52·3	+0·5	51·5	+0·6	53·1	0·0	51·4	+0·5
1882	*48·2*	*+0·5*	*48·3*	*−0·3*	50·0	+0·2	52·0	+0·7	51·6	+0·3	53·4	+0·9	51·1	+0·4	*50·2*	*+0·2*	51·4	+0·7	51·9	+0·1	50·8	+0·4	51·7	−0·1	51·2	+0·3	53·6	+0·5	51·2	+0·3
1883	*48·2*	*+0·5*	*49·0*	*+0·4*	49·8	0·0	51·7	+0·4	51·6	+0·3	52·5	0·0	50·9	+0·2	*49·3*	*−0·7*	50·6	−0·1	51·2	−0·6	50·1	−0·3	51·0	−0·8	50·4	−0·5	52·3	−0·8	50·6	−0·3
1884	*47·8*	*+0·1*	*48·3*	*−0·3*	49·6	−0·2	50·8	−0·5	50·8	−0·5	52·0	−0·5	50·3	−0·4	*49·7*	*−0·3*	50·2	−0·5	51·0	−0·8	50·2	−0·2	51·3	−0·5	50·5	−0·4	52·3	−0·8	50·4	−0·5
1885	*46·6*	*−1·1*	*47·5*	*−1·1*	48·6	−1·2	50·1	−1·2	49·6	−1·7	51·4	−1·1	49·4	−1·3	47·9	−2·1	48·6	−2·1	**49·5**	**−2·3**	48·3	−2·1	**49·1**	**−2·7**	48·7	−2·2	50·8	−2·3	49·1	−1·8
1886	*46·4*	*−1·3*	*46·8*	*−1·8*	47·5	−2·3	50·1	−1·2	49·9	−1·4	51·6	−0·9	49·2	−1·5	**47·7**	**−2·3**	49·0	−1·7	50·7	−1·1	48·5	−1·9	50·3	−1·5	49·2	−1·7	51·8	−1·3	49·2	−1·7
1887	*48·3*	*+0·6*	49·9	+1·3	49·9	+0·1	51·0	−0·3	51·4	+0·1	52·0	−0·5	50·8	+0·1	50·6	+0·6	50·8	+0·1	52·1	+0·3	51·8	+1·4	52·8	+1·0	51·6	+0·7	52·9	−0·2	51·2	+0·3
1888	*46·1*	*−1·6*	47·1	−1·5	48·0	−1·8	50·1	−1·2	49·9	−1·4	50·7	−1·8	49·2	−1·5	49·0	−1·0	49·5	−1·2	50·3	−1·5	49·6	−0·8	51·3	−0·5	49·9	−1·0	51·6	−1·5	49·5	−1·4
1889	*49·7*	*+2·0*	50·5	+1·9	50·9	+1·1	52·7	+1·4	52·8	+1·5	54·3	+1·8	52·2	+1·5	51·5	+1·5	52·2	+1·5	52·5	+0·7	51·3	+0·9	51·9	+0·1	51·9	+1·0	53·7	+0·6	52·1	+1·2
1890	*48·0*	*+0·3*	48·7	+0·1	49·4	−0·4	51·0	−0·3	50·6	−0·7	52·2	−0·3	50·4	−0·3	49·8	−0·2	50·6	−0·1	51·5	−0·3	50·5	+0·1	51·6	−0·2	50·8	−0·1	52·6	−0·5	50·6	−0·3
1891	47·1	−0·6	47·8	−0·8	48·4	−1·4	50·3	−1·0	50·2	−1·1	51·9	−0·6	49·7	−1·0	49·6	−0·4	50·1	−0·6	51·0	−0·8	50·1	−0·3	51·2	−0·6	50·4	−0·5	52·7	−0·4	50·1	−0·8
1892	46·4	−1·3	47·7	−0·9	49·2	−0·6	51·2	−0·1	51·0	−0·3	52·1	−0·4	50·2	−0·5	49·1	−0·9	50·4	−0·3	51·3	−0·5	50·2	−0·2	51·7	−0·1	50·5	−0·4	53·3	+0·2	50·3	−0·6
1893	**50·6**	**+2·9**	**51·4**	**+2·8**	51·6	+1·8	**53·8**	**+2·5**	**54·7**	**+3·4**	**55·9**	**+3·4**	**53·5**	**+2·8**	**53·1**	**+3·1**	**54·5**	**+3·8**	**56·0**	**+4·2**	**54·4**	**+4·0**	**55·6**	**+3·8**	**54·7**	**+3·8**	**57·3**	**+4·2**	**54·1**	**+3·2**
1894	47·9	+0·2	47·9	−0·7	48·9	−0·9	51·1	−0·2	50·8	−0·5	52·8	+0·3	50·3	−0·4	49·6	−0·4	50·8	+0·1	51·6	−0·2	50·1	−0·3	51·7	−0·1	50·8	−1·0	53·5	+0·4	50·6	−0·3
1895	48·8	+1·1	49·7	+1·1	50·4	+0·6	51·9	+0·6	52·4	+1·1	53·1	+0·6	51·5	+0·8	51·1	+1·1	51·8	+1·1	52·7	+0·9	51·6	+1·2	52·6	+0·8	52·0	+1·1	53·7	+0·6	51·7	+0·8
1896	49·4	+1·7	51·2	+2·6	51·4	+1·6	52·2	+0·9	52·8	+1·5	53·8	+1·3	52·3	+1·6	52·0	+2·0	53·1	+2·4	53·9	+2·1	52·7	+2·3	53·9	+2·1	53·1	+2·2	55·1	+2·0	52·7	+1·8
1897	47·0	−0·7	47·8	−0·8	49·2	−0·6	51·7	+0·4	51·4	+0·1	53·3	+0·8	50·7	0·0	49·5	−0·5	50·8	+0·1	52·6	+0·8	49·6	−0·8	52·0	+0·2	50·9	0·0	54·1	+1·0	50·8	−0·1
1898	48·0	+0·3	48·7	+0·1	49·5	−0·3	51·0	−0·3	50·7	−0·6	52·2	−0·3	50·4	−0·3	50·3	+0·3	50·9	+0·2	51·7	−0·1	50·6	+0·2	51·9	+0·1	51·1	+0·2	53·4	+0·3	50·7	−0·2
1899	47·2	−0·5	48·1	−0·5	49·5	−0·3	51·3	0·0	51·2	−0·1	52·9	+0·4	50·6	−0·1	49·7	−0·3	51·1	+0·4	52·4	+0·6	50·5	+0·1	52·4	+0·6	51·2	+0·3	54·3	+1·2	50·9	0·0
1900	48·2	+0·5	48·7	+0·1	50·0	+0·2	51·5	+0·2	51·1	−0·2	52·1	−0·4	50·7	0·0	50·5	+0·5	50·9	+0·2	51·4	−0·4	51·0	+0·6	52·2	+0·4	51·2	+0·3	51·3	−1·8	51·0	+0·1
1901	48·4	+0·7	48·8	+0·2	50·3	+0·5	51·4	+0·1	51·5	+0·2	52·4	−0·1	50·9	+0·2	50·1	+0·1	51·4	+0·7	52·4	+0·6	50·1	−0·3	51·6	−0·2	51·1	+0·2	53·8	+0·7	51·0	+0·1
1902	**45·7**	**−2·0**	46·1	−2·5	47·7	−2·1	49·4	−1·9	48·8	−2·5	50·0	−2·5	48·4	−2·3	48·2	−1·8	48·9	−1·8	49·8	−2·0	48·4	−2·0	49·9	−1·9	49·0	−1·9	51·9	−1·2	**48·7**	**−2·2**
1903	46·9	−0·8	47·9	−0·7	48·7	−1·1	50·6	−0·7	50·0	−1·3	51·5	−1·0	49·7	−1·0	49·4	−0·6	50·3	−0·4	51·4	−0·4	49·9	−0·5	51·5	−0·3	50·5	−0·4	52·9	−0·2	50·1	−0·8
1904	48·1	+0·4	48·9	+0·3	51·1	+1·3	52·4	+1·1	51·3	0·0	52·7	+0·2	51·3	+0·6	50·2	+0·2	51·1	+0·4	51·9	+0·1	50·2	−0·2	51·8	0·0	51·0	+0·1	53·6	+0·5	51·1	+0·2
1905	47·7	0·0	48·5	−0·1	50·1	+0·3	51·9	+0·6	51·1	−0·2	52·5	0·0	50·8	+0·1	50·3	+0·3	50·9	+0·2	51·9	+0·1	50·8	+0·4	52·8	+1·0	51·3	+0·4	53·5	+0·4	51·1	+0·2
1906	46·4	−1·3	48·1	−0·5	50·0	+0·2	50·9	−0·4	50·6	−0·7	51·2	−1·3	50·2	−0·5	49·7	−0·3	50·2	−0·5	50·7	−1·1	49·1	−1·3	51·0	−0·8	50·1	−0·8	52·5	−0·6	50·1	−0·8
1907	46·3	−1·4	46·7	−1·9	49·3	−0·5	51·1	−0·2	49·8	−1·5	51·1	−1·4	50·2	−0·5	48·4	−1·6	49·1	−1·6	49·8	−2·0	48·3	−2·1	49·9	−1·9	49·1	−1·8	52·0	−1·1	49·7	−1·2
1908	46·3	−1·4	47·5	−1·1	49·6	−0·2	51·1	−0·2	50·6	−0·7	51·6	−0·9	50·1	−0·6	49·1	−0·9	49·8	−0·9	50·8	−1·0	49·1	−1·3	50·9	−0·9	49·9	−1·0	52·7	−0·4	50·0	−0·9
1909	47·6	−0·1	48·0	−0·6	50·0	+0·2	51·2	−0·1	50·9	−0·4	51·7	−0·8	50·4	−0·3	49·9	−0·1	50·5	−0·2	51·5	−0·3	50·4	0·0	52·0	+0·2	50·9	0·0	53·9	+0·8	50·7	−0·2
1910	47·8	+0·1	47·9	−0·7	50·3	+0·5	52·3	+1·0	51·9	+0·6	52·8	+0·3	51·4	+0·7	50·0	0·0	51·0	+0·3	51·6	−0·2	49·9	−0·5	51·6	−0·2	50·8	−0·1	52·9	−0·2	51·1	+0·2
1911	48·7	+1·0	49·8	+1·2	51·5	+1·7	52·9	+1·6	52·7	+1·4	52·9	+0·4	52·0	+1·3	51·1	+1·1	52·0	+1·3	52·6	+0·8	50·9	+0·5	52·8	+1·0	51·9	+1·0	53·6	+0·5	52·0	+1·1
1912	48·0	+0·3	49·0	+0·4	50·8	+1·0	53·1	+1·8	52·2	+0·9	53·2	+0·7	51·7	+1·0	50·6	+0·6	51·3	+0·6	52·3	+0·5	50·8	+0·4	52·2	+0·4	51·4	+0·5	54·7	+1·6	51·6	+0·7
1913	47·7	0·0	48·0	−0·6	50·4	+0·6	52·2	+0·9	51·3	0·0	52·3	−0·2	50·7	0·0	49·5	−0·5	50·5	−0·2	51·3	−0·5	49·1	−1·3	50·4	−1·4	50·2	−0·7	52·3	−0·8	50·5	−0·4
1914	48·7	+1·0	49·8	+1·2	51·6	+1·8	52·9	+1·6	52·7	+1·4	53·6	+1·1	52·2	+1·5	51·1	+1·1	51·6	+0·9	53·2	+1·4	50·9	+0·5	52·9	+1·1	52·0	+1·1	54·3	+1·2	52·0	+1·1
1915	47·1	−0·6	47·8	−0·8	49·8	0·0	51·4	+0·1	51·3	0·0	52·3	−0·2	50·5	−0·2	50·2	+0·2	50·7	0·0	52·0	+0·2	50·4	0·0	52·7	+0·9	51·3	+0·4	53·2	+0·1	50·9	0·0
1916	46·8	−0·9	47·1	−1·5	49·5	−0·3	51·1	−0·2	50·5	−0·8	51·8	−0·7	50·0	−0·7	48·9	−1·1	50·0	−0·7	50·7	−1·1	48·6	−1·8	50·7	−1·1	49·8	−1·1	52·5	−0·6	50·0	−0·9
1917	46·8	−0·9	47·3	−1·3	49·8	0·0	52·5	+1·2	52·0	+0·7	53·1	+0·6	50·9	+0·2	49·3	−0·7	50·7	0·0	51·6	−0·2	49·3	−1·1	51·6	−0·2	50·5	−0·4	53·4	+0·3	50·7	−0·2
1918	48·0	+0·3	48·4	−0·2	50·7	+0·9	51·3	0·0	52·0	+0·7	52·5	0·0	50·9	+0·2	50·4	+0·4	51·3	+0·6	52·0	+0·2	50·9	+0·5	52·7	+0·9	51·4	+0·5	53·6	+0·5	51·3	+0·4
1919	48·7	+1·0	49·5	+0·9	**51·8**	**+2·0**	52·3	+1·0	52·9	+1·6	53·1	+0·6	52·0	+1·3	50·9	+0·9	52·2	+1·5	52·2	+0·4	50·9	+0·5	52·7	+0·9	51·8	+0·9	53·4	+0·3	51·8	+0·9
1920	48·4	+0·7	48·6	0·0	51·4	+1·6	53·4	+2·1	52·5	+1·2	54·0	+1·5	52·0	+1·3	50·4	+0·4	51·6	+0·9	52·7	+0·9	50·4	0·0	52·0	+0·2	51·4	+0·5	54·3	+1·2	51·6	+0·7
LUSTRA 1881–1885..	*47·7*	*0·0*	*48·4*	*−0·2*	49·6	−0·2	51·4	+0·1	51·3	0·0	52·5	0·0	50·5	−0·2	*49·5*	*−0·5*	50·4	−0·3	51·1	−0·7	50·2	−0·2	51·1	−0·7	50·5	−0·4	52·3	−0·8	50·5	−0·4
1886–1890..	*47·7*	*0·0*	*48·6*	*0·0*	49·1	−0·7	51·1	−0·2	50·9	−0·4	52·2	−0·3	50·4	−0·3	49·6	−0·4	50·4	−0·3	51·4	−0·4	50·4	0·0	51·6	−0·2	50·7	−0·2	52·5	−0·6	50·5	−0·4
1891–1895..	48·2	+0·5	48·9	+0·3	49·6	−0·2	51·4	+0·1	51·8	+0·5	53·2	+0·7	51·1	+0·4	50·5	+0·5	51·4	+0·7	52·5	+0·7	51·3	+0·9	52·5	+0·7	51·6	+0·7	54·0	+0·9	51·4	+0·5
1896–1900..	48·0	+0·3	48·9	+0·3	49·8	0·0	51·4	+0·1	51·4	+0·1	52·9	+0·4	50·9	+0·2	50·4	+0·4	51·4	+0·7	52·3	+0·5	50·9	+0·5	52·5	+0·7	51·4	+0·5	53·6	+0·5	51·3	+0·4
1901–1905..	47·5	−0·2	48·0	−0·6	49·6	−0·2	51·1	−0·2	50·5	−0·8	51·8	−0·7	50·2	−0·5	49·6	−0·4	50·5	−0·2	51·4	−0·4	49·8	−0·6	51·4	−0·4	50·5	−0·4	53·1	0·0	50·4	−0·5
1906–1910..	46·9	−0·8	47·7	−0·9	49·8	0·0	51·3	0·0	50·7	−0·6	51·6	−0·9	50·4	−0·3	49·5	−0·5	50·2	−0·5	50·9	−0·9	49·5	−0·9	51·1	−0·7	50·2	−0·7	52·9	−0·2	50·4	−0·5
1911–1915..	48·0	+0·3	48·9	+0·3	50·7	+0·9	52·5	+1·2	52·0	+0·7	52·9	+0·4	51·4	+0·7	50·5	+0·5	51·3	+0·6	52·3	+0·5	50·4	0·0	52·2	+0·4	51·3	+0·4	53·6	+0·5	51·4	+0·5
1916–1920..	47·7	0·0	48·2	−0·4	50·6	+0·8	52·1	+0·8	52·0	+0·7	52·9	+0·4	51·2	+0·5	50·0	0·0	51·2	+0·5	51·8	0·0	50·0	−0·4	51·9	+0·1	51·0	+0·1	53·4	+0·3	51·1	+0·2

DISTRICT VALUES. 1878 TO 1920. SECOND QUARTER.

TABLE III.—TEMPERATURE, ABSOLUTE SCALE—EXCESS OF MEAN TEMPERATURE ABOVE **200a,** AND DEVIATION FROM THE NORMAL FOR THE **35** YEARS **1881-1915.**

		0 Scotland N.		EASTERN DISTRICTS. 1 Scotland E.		2 England N.E.		3 England E.		4 † Midland Counties.		5 England S.E.		Districts 1-5		WESTERN DISTRICTS. 6 Scotland W.		7 England N.W. and N. Wales.		8 S. Wales and England, S W.		9 Ireland N.		10 Ireland S.		Districts 6-10		11 English Channel		Districts 1-10	
		°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.
Normal (1881-1915).		**81·7**	—	**82·2**	—	**82·9**	—	**83·7**	—	**83·7**	—	**84·4**	—	**83·4**	—	**83·0**	—	**83·4**	—	**84·0**	—	**83·2**	—	**84·0**	—	**83·5**	—	**84·7**	—	**83·5**	—
1878	.. .. ..	82·4	+0·7	82·7	+0·5	83·7	+0·8	84·9	+1·2	85·1	+1·4	85·4	+1·0	84·3	+0·9	84·2	+1·2	84·7	+1·3	84·7	+0·7	84·2	+1·0	84·8	+0·8	84·5	+1·0	85·6	+0·9	84·4	+0·9
1879	.. .. ..	80·7	−1·0	**80·6**	**−1·6**	**81·4**	**−1·5**	**82·1**	**−1·6**	**82·1**	**−1·6**	**82·7**	**−1·7**	**81·8**	**−1·6**	81·9	−1·1	**82·0**	**−1·4**	**82·7**	**−1·3**	**81·9**	**−1·3**	82·7	−1·3	**82·2**	**−1·3**	**83·2**	**−1·5**	**82·0**	**−1·5**
1880..		82·1	+0·4	82·3	+0·1	82·5	−0·4	83·4	−0·3	83·2	−0·5	83·9	−0·5	83·1	−0·3	83·0	0·0	83·1	−0·3	84·0	0·0	83·0	−0·2	83·9	−0·1	83·4	−0·1	84·1	−0·6	83·2	−0·3
1881..		81·5	−0·2	82·2	0·0	83·1	+0·2	84·2	+0·5	84·3	+0·6	84·7	+0·3	83·7	+0·3	83·2	+0·2	83·8	+0·4	84·1	+0·1	83·8	+0·6	84·3	+0·3	83·8	+0·3	84·7	0·0	83·8	+0·3
1882..		82·0	+0·3	82·1	−0·1	83·0	+0·1	84·1	+0·4	83·9	+0·2	84·9	+0·5	83·6	+0·2	83·1	+0·1	83·8	+0·4	84·1	+0·1	83·4	+0·2	83·9	−0·1	83·7	+0·2	85·0	+0·3	83·7	+0·2
1883		82·0	+0·3	82·4	+0·2	82·9	0·0	83·9	+0·2	83·9	+0·2	84·4	0·0	83·5	+0·1	82·6	−0·4	83·3	−0·1	83·7	−0·3	83·1	−0·1	83·7	−0·3	83·3	−0·2	84·3	−0·4	83·3	−0·2
1884..		81·8	+0·1	82·1	−0·1	82·8	−0·1	83·4	−0·3	83·4	−0·3	84·1	−0·3	83·2	−0·2	82·8	−0·2	83·1	−0·3	83·6	−0·4	83·1	−0·1	83·7	−0·3	83·3	−0·2	84·3	−0·4	83·2	−0·3
1885..		81·1	−0·6	81·6	−0·6	82·2	−0·7	83·1	−0·6	82·8	−0·9	83·8	−0·6	82·7	−0·7	81·8	−1·2	82·2	−1·2	**82·7**	**−1·3**	82·1	−1·1	**82·5**	**−1·5**	82·3	−1·2	83·4	−1·3	82·5	−1·0
1886..		81·0	−0·7	81·2	−1·0	81·6	−1·3	83·1	−0·6	82·9	−0·8	83·9	−0·5	82·6	−0·8	**81·7**	**−1·3**	82·4	−1·0	83·4	−0·6	82·2	−1·0	83·2	−0·8	82·6	−0·9	84·0	−0·7	82·6	−0·9
1887..		82·1	+0·4	82·9	+0·7	82·9	0·0	83·6	−0·1	83·8	+0·1	84·1	−0·3	83·4	0·0	83·3	+0·3	83·4	0·0	84·2	+0·2	84·0	+0·8	84·6	+0·6	83·9	+0·4	84·6	−0·1	83·7	+0·2
1888..		80·3	−0·9	81·4	−0·8	81·9	−1·0	83·1	−0·6	82·9	−0·8	83·4	−1·0	82·6	−0·8	82·4	−0·6	82·7	−0·7	83·2	−0·8	82·8	−0·4	83·7	−0·3	82·9	−0·6	83·9	−0·8	82·7	−0·8
1889..		82·8	+1·1	83·3	+1·1	83·5	+0·6	84·5	+0·8	84·6	+0·9	85·4	+1·0	84·2	+0·8	83·8	+0·8	84·2	+0·8	84·4	+0·4	83·7	+0·5	84·1	+0·1	84·1	+0·6	85·1	+0·4	84·2	+0·7
1890..		81·9	+0·2	82·3	+0·1	82·7	−0·2	83·6	−0·1	83·3	−0·4	84·2	−0·2	83·2	−0·2	82·9	−0·1	83·3	−0·1	83·8	−0·2	83·3	+0·1	83·9	−0·1	83·4	−0·1	84·4	−0·3	83·3	−0·2
1891..		81·4	−0·3	81·8	−0·4	82·1	−0·8	83·2	−0·5	83·1	−0·6	84·1	−0·3	82·8	−0·6	82·8	−0·2	83·1	−0·3	83·6	−0·4	83·1	−0·1	83·7	−0·3	83·2	−0·3	84·5	−0·2	83·1	−0·4
1892..		81·0	−0·7	81·7	−0·5	82·6	−0·3	83·7	0·0	83·6	−0·1	84·2	−0·2	83·1	−0·3	82·5	−0·5	83·2	−0·2	83·7	−0·3	83·1	−0·1	83·9	−0·1	83·3	−0·2	84·8	+0·1	83·2	−0·3
1893..		**83·3**	**+1·6**	**83·8**	**+1·3**	83·9	+1·0	**85·1**	**+1·4**	**85·6**	**+1·9**	**86·3**	**+1·9**	**84·9**	**+1·5**	**84·7**	**+1·7**	**85·5**	**+2·1**	**86·3**	**+2·3**	**85·4**	**+2·2**	**86·1**	**+2·1**	**85·6**	**+2·1**	**87·1**	**+2·4**	**85·3**	**+1·8**
1894..		81·8	+0·1	81·8	−0·4	82·4	−0·5	83·6	−0·1	83·4	−0·3	84·6	+0·2	83·2	−0·2	82·8	−0·2	83·4	0·0	83·9	−0·1	83·1	−0·1	83·8	−0·2	83·4	−0·1	84·9	+0·2	83·3	−0·2
1895..		82·3	+0·6	82·8	+0·6	83·2	+0·3	84·1	+0·4	84·3	+0·6	84·7	+0·3	83·8	+0·4	83·6	+0·6	84·0	+0·6	84·5	+0·5	83·9	+0·7	84·4	+0·4	84·1	+0·6	85·1	+0·4	83·9	−0·4
1896..		82·7	+1·0	83·7	+1·5	83·8	+0·9	84·2	+0·5	84·6	+0·9	85·1	+0·7	84·3	+0·9	84·1	+1·1	84·7	+1·3	85·2	+1·2	84·5	+1·3	85·2	+1·2	84·7	+1·2	85·8	+1·1	84·5	+1·0
1897..		81·3	−0·4	81·8	−0·4	82·6	−0·3	83·9	+0·2	83·8	+0·1	84·8	+0·4	83·4	0·0	82·7	−0·3	83·4	0·0	84·4	+0·4	84·1	+0·1	83·5	0·0	83·6	+0·1	85·3	+0·6	83·4	−0·1
1898..		81·9	+0·2	82·3	+0·1	82·7	−0·2	83·6	−0·1	83·4	−0·3	84·2	−0·2	83·2	−0·2	83·2	+0·2	83·5	+0·1	83·9	−0·1	83·3	+0·1	84·1	+0·1	83·6	+0·1	84·9	+0·2	83·4	−0·1
1899..		81·4	−0·3	81·9	−0·3	82·7	−0·2	83·7	0·0	83·7	0·0	84·6	+0·2	83·3	−0·1	82·8	−0·2	83·6	+0·2	84·3	+0·3	83·3	+0·1	84·3	+0·3	83·7	+0·2	85·4	+0·7	83·5	0·0
1900..		82·0	+0·3	82·3	+0·1	83·0	+0·1	83·8	+0·1	83·6	−0·1	84·2	−0·2	83·4	0·0	83·3	+0·3	83·5	+0·1	83·8	−0·2	83·6	+0·4	84·2	+0·2	83·7	+0·2	83·7	−1·0	83·6	+0·1
1901..		82·1	+0·4	82·3	+0·1	83·2	+0·3	83·8	+0·1	83·8	+0·1	84·3	−0·1	83·5	+0·1	83·1	+0·1	83·8	+0·4	84·3	+0·3	83·1	−0·1	83·9	−0·1	83·6	+0·1	85·1	+0·4	83·6	+0·1
1902..		**80·6**	**−1·1**	80·8	−1·4	81·7	−1·2	82·7	−1·0	82·3	−1·4	83·0	−1·4	82·1	−1·3	82·0	−1·0	82·4	−1·0	82·9	−1·1	82·1	−1·1	82·9	−1·1	82·4	−1·1	84·1	−0·6	82·3	−1·2
1903..		81·3	−0·4	81·8	−0·4	82·3	−0·6	83·3	−0·4	83·0	−0·7	83·8	−0·6	82·8	−0·6	82·7	−0·3	83·2	−0·2	83·8	−0·2	82·9	−0·3	83·8	−0·2	83·3	−0·2	84·6	−0·1	83·1	−0·4
1904..		81·9	+0·2	82·4	+0·2	83·6	+0·7	84·3	+0·6	83·7	0·0	84·5	+0·1	83·7	+0·3	83·1	+0·1	83·6	+0·2	84·1	+0·1	83·1	−0·1	84·0	0·0	83·6	+0·1	85·0	+0·3	83·6	+0·1
1905..		81·7	0·0	82·2	0·0	83·1	+0·2	84·1	+0·4	83·6	−0·1	84·4	0·0	83·4	0·0	83·2	+0·2	83·5	+0·1	84·1	+0·1	83·4	+0·2	84·6	+0·6	83·7	+0·2	84·9	+0·2	83·6	+0·1
1906..		81·0	−0·7	81·9	−0·3	83·0	+0·1	83·5	−0·2	83·3	−0·4	83·7	−0·7	83·1	−0·3	82·8	−0·2	83·1	−0·3	83·4	−0·6	82·5	−0·7	83·6	−0·4	83·1	−0·4	84·4	−0·3	83·1	−0·4
1907		80·9	−0·8	81·2	−1·0	82·6	−0·3	83·6	−0·1	82·9	−0·8	83·6	−0·8	83·1	−0·3	82·1	−0·9	82·5	−0·9	82·9	−1·1	82·1	−1·1	82·9	−1·1	82·5	−1·0	84·1	−0·6	82·8	−0·7
1908..		80·9	−0·8	81·6	−0·6	82·8	−0·1	83·6	−0·1	83·3	−0·4	83·9	−0·5	83·1	−0·3	82·5	−0·5	82·9	−0·6	82·5	−0·7	83·5	−0·5	82·9	−0·6	84·5	−0·2	83·0	−0·5
1909..		81·7	0·0	81·9	−0·3	83·0	+0·1	83·7	0·0	83·5	−0·2	83·9	−0·5	83·2	−0·2	82·9	−0·1	83·3	−0·1	83·8	−0·2	83·2	0·0	84·1	+0·1	83·5	0·0	85·2	+0·5	83·4	−0·1
1910..		81·8	+0·1	81·8	−0·4	83·2	+0·3	84·3	+0·6	84·1	+0·4	84·6	+0·2	83·8	+0·4	83·0	0·0	83·6	+0·2	83·9	−0·1	82·9	−0·3	83·9	−0·1	83·4	−0·1	84·6	−0·1	83·6	+0·1
1911..		82·3	+0·6	82·9	+0·7	83·8	+0·9	84·6	+0·9	84·5	+0·8	84·6	+0·2	84·1	+0·7	83·6	+0·6	84·1	+0·7	84·4	+0·4	83·5	+0·3	84·6	+0·6	84·1	+0·6	85·0	+0·3	84·1	+0·6
1912..		81·9	+0·2	82·4	+0·2	83·4	+0·5	84·7	+1·0	84·2	+0·5	84·8	+0·4	83·9	+0·5	83·3	+0·3	83·7	+0·3	84·3	+0·3	83·4	+0·2	84·2	+0·2	83·8	+0·3	85·6	+0·9	83·9	+0·4
1913..		81·7	0·0	81·9	−0·3	83·2	+0·3	84·2	+0·5	83·7	0·0	84·3	−0·1	83·4	0·0	82·7	−0·3	83·3	−0·1	83·7	−0·3	82·5	−0·7	83·2	−0·8	83·1	−0·4	84·3	−0·4	83·3	−0·2
1914..		82·3	+0·6	82·9	+0·7	83·9	+1·0	84·6	+0·9	84·5	+0·8	85·0	+0·6	84·2	+0·8	83·6	+0·6	83·9	+0·5	84·8	+0·5	84·1	+0·6	84·6	+0·6	84·1	+0·6	85·4	+0·7	84·1	+0·6
1915..		81·4	−0·3	81·8	−0·4	82·9	0·0	83·8	+0·1	83·7	0·0	84·3	−0·1	83·3	−0·1	83·1	+0·1	83·4	0·0	84·1	+0·1	83·2	0·0	84·5	+0·5	83·7	+0·2	84·8	+0·1	83·5	0·0
1916..		81·2	−0·5	81·4	−0·8	82·7	−0·2	83·6	−0·1	83·3	−0·4	84·0	−0·4	83·0	−0·4	82·4	−0·6	83·0	−0·4	83·4	−0·6	82·2	−1·0	83·4	−0·6	82·9	−0·6	84·4	−0·3	83·0	−0·5
1917..		81·2	−0·5	81·5	−0·7	82·9	0·0	84·4	+0·7	84·1	+0·4	84·7	+0·3	83·5	+0·1	82·6	−0·4	83·4	0·0	83·9	−0·1	82·6	−0·6	83·9	−0·1	83·3	−0·2	84·9	+0·2	83·4	−0·1
1918..		81·9	+0·2	82·1	−0·1	83·4	+0·5	83·7	0·0	84·1	+0·4	84·4	0·0	83·5	+0·1	83·2	+0·2	83·7	+0·3	84·1	+0·1	83·5	+0·3	84·5	+0·5	83·8	+0·3	85·0	+0·3	83·7	+0·2
1919..		82·3	+0·6	82·7	+0·5	**84·0**	**+1·1**	84·3	+0·6	84·6	+0·9	84·7	+0·3	84·1	+0·7	83·5	+0·5	84·2	+0·8	84·2	+0·2	83·5	+0·3	84·5	+0·5	84·0	+0·5	84·9	+0·2	84·0	+0·5
1920..		82·1	+0·4	82·2	0·0	83·8	+0·9	84·9	+1·2	84·4	+0·7	85·2	+0·8	84·1	+0·7	83·2	+0·2	83·9	+0·5	84·5	+0·5	83·2	0·0	84·1	+0·1	83·8	+0·3	85·4	+0·7	83·9	+0·4
Lustra 1881–1885	.. .. ..	81·7	0·0	82·1	−0·1	82·8	−0·1	83·8	+0·1	83·7	0·0	84·4	0·0	83·3	−0·1	82·7	−0·3	83·2	−0·2	83·6	−0·4	83·1	−0·1	83·6	−0·4	83·3	−0·2	84·3	−0·4	83·3	−0·2
1886–1890	.. .. ..	81·7	0·0	82·2	0·0	82·5	−0·4	83·6	−0·1	83·5	−0·2	84·2	−0·2	83·2	−0·2	82·8	−0·2	83·2	−0·2	83·8	−0·2	83·2	0·0	83·9	−0·1	83·4	−0·1	84·4	−0·3	83·3	−0·2
1891–1895	.. .. ..	82·0	+0·3	82·4	+0·2	82·8	−0·1	83·8	+0·1	84·0	+0·3	84·8	+0·4	83·6	+0·2	83·3	+0·3	83·8	+0·4	84·4	+0·4	83·7	+0·5	84·4	+0·4	83·9	+0·4	85·2	+0·5	83·8	+0·3
1896–1900	.. .. ..	81·9	+0·2	82·4	+0·2	82·9	0·0	83·8	+0·1	83·8	+0·1	84·6	+0·2	83·5	+0·1	83·2	+0·2	83·8	+0·4	84·3	+0·3	83·5	+0·3	84·4	+0·4	83·8	+0·3	85·0	+0·3	83·7	+0·2
1901–1905	.. .. ..	81·6	−0·1	81·9	−0·3	82·8	−0·1	83·6	−0·1	83·3	−0·4	84·0	−0·4	83·1	−0·3	82·8	−0·2	83·3	−0·1	83·8	−0·2	82·9	−0·3	83·8	−0·2	83·3	−0·2	84·7	0·0	83·2	−0·3
1906–1910	.. .. ..	81·3	−0·4	81·7	−0·5	82·9	0·0	83·7	0·0	83·4	−0·3	83·9	−0·5	83·2	−0·2	82·7	−0·3	83·1	−0·3	83·5	−0·5	82·7	−0·5	83·6	−0·4	83·1	−0·4	84·6	−0·1	83·2	−0·3
1911–1915	.. .. ..	81·9	+0·2	82·4	+0·2	83·4	+0·5	84·4	+0·7	84·1	+0·4	84·6	+0·2	83·8	+0·4	83·3	+0·3	83·8	+0·4	84·3	+0·3	83·4	+0·2	84·2	+0·2	83·7	+0·2	85·0	+0·3	83·8	+0·3
1916–1920	.. .. ..	81·7	0·0	82·0	−0·2	83·4	+0·5	84·2	+0·5	84·1	+0·4	84·6	+0·2	83·6	+0·2	83·0	0·0	83·6	+0·2	84·0	0·0	83·0	−0·2	84·1	+0·1	83·6	+0·1	84·9	+0·2	83·6	+0·1

DISTRICT VALUES. 1881 TO 1920. SECOND QUARTER.

TABLE IV.—SUNSHINE—DURATION IN THOUSAND HOURS, DAILY MEANS AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS 1881-1915.

	0 Scotland, N.			EASTERN DISTRICTS. 1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Districts 1-5.			WESTERN DISTRICTS. 6 Scotland, W.			7 England, N.W. and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Districts 6-10			11 English Channel.			Districts 1-10		
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.
Normal (1881–1915)	**·46**	**5·0**	—	**·51**	**5·6**	—	**·53**	**5·9**	—	**·58**	**6·4**	—	**·52**	**5·7**	—	**·60**	**6·5**	—	**·55**	**6·0**	—	**·54**	**5·9**	—	**·55**	**6·0**	—	**·58**	**6·4**	—	**·50**	**5·5**	—	**·54**	**5·9**	—	**·54**	**5·9**	—	**·67**	**7·4**	—	**·54**	**6·0**	—
1881 ..	·47	5·2	104	·53	5·8	104	·61	6·7	114	·64	7·0	109	·55	6·1	107	·62	6·8	105	·59	6·5	108	·59	6·5	110	·58	6·4	107	·61	6·7	105	·52	5·7	104	·55	6·1	103	·57	6·3	107	·69	7·6	103	·58	6·4	107
1882 ..	·51	5·6	112	·54	5·9	105	·64	7·0	119	·61	6·7	105	·56	6·2	109	·63	6·9	106	·56	6·2	103	·61	6·7	114	·59	6·5	108	·60	6·6	103	·59	6·5	118	·63	6·9	117	·60	6·6	112	·69	7·6	*103	·58	6·4	107
1883 ..	·43	4·7	94	·50	5·5	98	·52	5·7	97	·60	6·6	103	·50	5·5	97	·58	6·4	98	·54	5·9	98	·52	5·7	97	·55	6·1	102	·55	6·1	95	·51	5·6	102	·58	6·4	108	·54	5·9	100	·72	7·9	107	·54	5·9	98
1884 ..	·40	4·4	88	·44	4·8	86	·56	6·2	105	·58	6·4	100	·48	5·3	93	·48	5·3	82	·51	5·6	93	·47	5·2	88	·51	5·6	93	·55	6·1	95	·41	4·5	82	·49	5·4	92	·49	5·4	92	·70	7·7	104	·50	5·5	92
1885 ..	·44	4·8	96	·49	5·4	96	·46	5·1	86	·58	6·4	100	·53	5·8	102	·58	6·4	98	·53	5·8	97	·50	5·5	93	·49	5·4	90	·53	5·8	91	·48	5·3	96	·54	5·9	100	·51	5·6	95	·68	7·5	101	·52	5·7	95
1886 ..	·46	5·1	102	·50	5·5	98	**·42**	**4·6**	**78**	·52	5·7	89	·43	4·7	82	·55	6·1	94	·48	5·3	88	·45	5·0	85	·43	4·7	78	·52	5·7	89	·42	4·6	84	**·45**	**5·0**	**85**	·45	5·0	85	·63	6·9	93	·47	5·2	87
1887 ..	**·34**	**3·7**	**74**	·52	5·7	102	·54	5·9	100	·61	6·7	105	·58	6·4	112	·63	6·9	106	·58	6·4	107	·62	6·8	115	·63	6·9	115	·69	7·6	119	**·60**	**6·6**	**120**	·71	7·8	132	**·65**	**7·2**	**122**	·74	8·1	109	·61	6·7	112
1888 ..	·46	5·1	102	·56	6·2	111	·49	5·4	92	·49	5·4	84	·44	4·8	84	**·47**	**5·2**	**80**	·49	5·4	90	·53	5·8	98	·52	5·7	95	·54	5·9	92	·44	4·8	87	·52	5·7	97	·51	5·6	95	·58	6·4	86	·50	5·5	92
1889 ..	·36	4·0	80	·51	5·6	100	·51	5·6	95	·49	5·4	84	·44	4·8	84	·48	5·3	82	·49	5·4	90	·53	5·8	98	·47	5·2	87	·50	5·5	86	·50	5·5	100	·50	5·5	93	·50	5·5	93	·62	6·8	92	·50	5·5	92
1890 ..	·44	4·8	96	·48	5·3	95	·48	5·3	90	·56	6·2	97	·49	5·4	95	·53	5·8	89	·51	5·6	93	·53	5·8	98	·47	5·2	87	·50	5·5	86	·50	5·5	100	·50	5·5	93	·50	5·5	93	·62	6·8	92	·50	5·5	92
1891 ..	**·56**	**6·2**	**124**	·53	5·8	104	·51	5·6	95	**·47**	**5·2**	**81**	·46	5·1	90	·56	6·2	95	·51	5·6	93	·54	5·9	100	·48	5·3	88	·53	5·8	91	·50	5·5	100	·53	5·8	98	·52	5·7	97	·69	7·6	103	·52	5·7	95
1892 ..	·50	5·5	110	·59	6·5	116	·58	6·4	108	·64	7·0	109	·61	6·7	118	·69	7·6	117	·62	6·8	113	·57	6·3	107	·59	6·5	108	·61	6·7	105	·54	5·9	107	·58	6·4	108	·58	6·4	108	·61	6·7	114	**·93**	**10·2**	**138**	·64	7·0	117
1893 ..	·46	5·1	102	·54	5·9	105	·65	7·2	122	·71	7·8	122	**·66**	**7·3**	**128**	**·74**	**8·1**	**125**	·66	7·3	122	·61	6·7	114	·62	6·8	113	**·76**	**8·4**	**131**	·50	5·5	100	·58	6·4	108	·61	6·7	114	·79	8·7	118	·60	6·6	110
1894 ..	·53	5·8	116	·48	5·3	95	·49	5·4	92	·49	5·4	84	·47	5·2	91	·55	6·1	94	·50	5·5	92	·45	5·4	92	·49	5·4	90	·54	5·9	92	·45	5·0	91	·49	5·4	92	·49	5·4	92	·61	6·7	91	·49	5·4	90
1895 ..	·49	5·4	108	·53	5·8	104	·52	5·7	97	·59	6·5	102	·54	5·9	104	·63	6·9	106	·56	6·2	103	·52	5·7	97	·57	6·3	105	·60	6·6	103	·52	5·7	104	·59	6·5	110	·56	6·2	105	·70	7·7	104	·56	6·2	103
1896 ..	·46	5·1	102	·55	6·1	109	·58	6·4	108	·61	6·7	105	·58	6·4	112	·63	6·9	106	·59	6·5	108	·61	6·7	114	·63	6·9	115	·68	7·5	117	·52	5·7	104	·60	6·6	112	·61	6·7	114	·77	8·5	115	·60	6·6	110
1897 ..	·55	6·1	122	·51	5·6	100	·58	6·4	108	·58	6·4	100	·55	6·1	107	·61	6·7	103	·57	6·3	105	·53	5·8	98	·59	6·5	108	·59	6·5	102	·46	5·1	93	·48	5·3	90	·53	5·8	98	·64	7·0	95	·55	6·1	102
1898 ..	·45	5·0	100	·47	5·2	93	·43	4·7	80	·49	5·4	84	·48	5·3	93	·49	5·4	83	·47	5·2	87	·50	5·5	93	·52	5·7	95	·57	6·3	98	·48	5·3	96	·51	5·6	95	·52	5·7	97	·65	7·2	97	·49	5·4	90
1899 ..	·49	5·4	108	·53	5·8	104	·52	5·7	97	·59	6·5	102	·54	5·9	104	·63	6·9	106	·56	6·2	103	·52	5·7	97	·57	6·3	105	·60	6·6	103	·52	5·7	104	·59	6·5	110	·56	6·2	105	·70	7·7	104	·56	6·2	103
1900 ..	·41	4·5	90	·44	4·8	86	·46	5·1	86	·57	6·3	98	·48	5·3	93	·59	6·5	100	·51	5·6	93	·51	5·6	95	·55	6·1	102	·55	6·1	95	·47	5·2	95	·50	5·5	93	·52	5·7	97	·67	7·4	100	·52	5·7	95
1901 ..	·53	5·8	116	**·62**	**6·8**	**121**	**·71**	**7·8**	**132**	**·73**	**8·0**	**125**	·64	7·0	123	·70	7·7	118	**·68**	**7·5**	**125**	**·65**	**7·2**	**122**	**·70**	**7·7**	**128**	·67	7·4	116	·59	6·5	118	·62	6·8	115	**·65**	**7·2**	**122**	·76	8·4	113	**·67**	**7·4**	**123**
1902 ..	·46	5·1	102	·46	5·1	91	·56	6·2	105	·55	6·1	95	·49	5·4	95	·53	5·8	89	·52	5·7	95	·49	5·4	92	·57	6·3	105	·51	5·6	88	·50	5·5	100	·52	5·7	97	·52	5·7	97	·67	7·3	99	·51	5·6	93
1903 ..	·42	4·6	92	·45	5·0	89	·54	5·9	100	·55	6·1	95	·48	5·3	93	·60	6·6	102	·52	5·7	95	·52	5·7	97	·57	6·3	105	·55	6·1	95	·42	4·6	84	·50	5·5	93	·51	5·6	95	·66	7·3	99	·52	5·7	95
1904 ..	·48	5·3	106	·49	5·4	96	·51	5·6	95	·55	6·1	95	·49	5·4	95	·55	6·1	94	·52	5·7	95	·51	5·6	95	·53	5·8	97	·55	6·1	95	·48	5·3	96	·52	5·7	97	·52	5·7	97	·63	6·9	93	·52	5·7	95
1905 ..	·50	5·5	110	·52	5·7	102	·50	5·5	93	·56	6·2	97	·48	5·3	93	·55	6·1	94	·52	5·7	95	·59	6·5	110	·56	6·2	103	·53	5·8	91	**·60**	**6·6**	**120**	·54	5·9	100	·56	6·2	105	·62	6·8	92	·54	5·9	98
1906 ..	·43	4·7	94	·51	5·6	100	·54	5·9	100	·64	7·0	109	·53	5·8	102	·66	7·3	112	·57	6·3	105	·51	5·6	95	·52	5·7	95	·59	6·5	102	·48	5·3	96	·55	6·1	103	·53	5·8	98	·68	7·5	101	·55	6·1	102
1907 ..	·42	4·6	92	·41	4·5	80	·45	5·0	85	·49	5·4	84	**·42**	**4·6**	**81**	·51	5·6	86	**·46**	**5·1**	**85**	**·41**	**4·5**	**76**	**·42**	**4·6**	**77**	**·46**	**5·1**	**80**	**·40**	**4·4**	**80**	**·45**	**5·0**	**85**	**·43**	**4·7**	**80**	**·53**	**5·8**	**78**	**·44**	**8·8**	**147**
1908 ..	·44	4·8	96	·50	5·5	98	·50	5·5	93	·58	6·4	100	·51	5·6	98	·61	6·7	103	·54	5·9	98	·54	5·9	100	·54	5·9	98	·57	6·3	98	·48	5·3	96	·57	6·3	98	·52	5·7	97	·62	6·8	92	·53	5·8	97
1909 ..	·46	5·1	102	·53	5·8	104	·55	6·1	103	·66	7·3	114	·59	6·5	114	·70	7·7	118	·61	6·7	112	·61	6·7	114	·64	7·0	117	·67	7·4	116	·54	5·9	107	·58	6·4	108	·61	6·7	114	·80	8·8	119	·61	6·7	112
1910 ..	·48	5·3	106	·49	5·4	96	·48	5·3	90	·56	6·2	97	·48	5·3	93	·55	6·1	94	·51	5·6	93	·53	5·8	98	·52	5·7	95	·55	6·1	95	**·46**	**5·1**	**93**	·49	5·4	92	·51	5·6	95	·61	6·7	91	·51	5·6	93
1911 ..	·48	5·3	106	·55	6·0	107	·55	6·0	102	·62	6·8	106	·53	5·8	102	·64	7·0	108	·58	6·3	105	·59	6·5	110	·59	6·4	107	·63	6·9	108	·56	6·2	113	·56	6·2	105	·59	6·4	108	·70	7·7	104	·58	6·4	107
1912 ..	·40	4·3	86	·42	4·6	82	·48	5·2	88	·62	6·8	106	·50	5·5	97	·64	7·0	108	·53	5·8	97	·48	5·2	88	·51	5·6	93	·53	5·8	91	·42	4·7	86	·50	5·4	92	·49	5·3	90	·69	7·5	101	·51	5·5	92
1913 ..	·39	4·3	86	·46	5·0	89	·47	5·1	86	·52	5·8	91	·46	5·0	88	·54	6·0	92	·49	5·4	90	**·41**	**4·5**	**76**	·48	5·3	88	·48	5·3	83	·41	4·5	82	·46	5·0	85	·44	4·8	81	**·53**	**5·8**	**78**	·46	5·1	85
1914 ..	·42	4·7	94	·57	6·2	111	·62	6·8	115	·69	7·5	117	·62	6·8	119	·72	7·9	122	·64	7·1	118	·54	6·0	102	·59	6·5	108	·65	7·2	113	·50	5·5	100	·59	6·5	110	·57	6·3	107	·68	7·5	101	·61	6·7	112
1915 ..	·52	5·8	116	·57	6·3	113	·60	6·6	112	·63	6·9	108	·58	6·3	111	·61	6·7	103	·60	6·6	110	·61	6·7	114	·64	7·0	117	·55	6·0	94	·54	6·0	109	·50	5·5	93	·57	6·2	105	·56	6·1	82	·59	6·4	107
1916 ..	·35	3·9	78	**·40**	**4·4**	**79**	·43	4·8	81	·51	5·7	89	·45	5·0	88	·57	6·3	97	·47	5·2	87	·52	5·8	98	·49	5·5	92	·55	6·1	95	·45	5·0	91	·53	5·9	100	·51	5·7	97	·64	7·1	96	·49	5·5	92
1917 ..	·45	4·9	98	·50	5·4	96	·52	5·9	100	·61	6·7	105	·52	5·7	100	·62	6·8	105	·56	6·1	102	·49	5·4	92	·54	5·9	98	·61	6·7	105	·44	4·8	87	·51	5·6	95	·52	5·7	97	·72	7·9	107	·54	5·9	98
1918 ..	·45	5·0	100	·49	5·6	100	·52	5·8	98	·57	6·3	98	·50	5·6	98	·58	6·5	100	·53	5·9	98	·58	6·4	108	·59	6·5	108	·64	7·1	111	·53	5·9	107	·58	6·5	110	·58	6·5	110	·72	8·0	108	·56	6·2	103
1919 ..	·43	4·8	96	·49	5·4	96	·53	5·9	100	·61	6·8	106	·53	5·9	104	·61	6·7	103	·56	6·1	102	·51	5·7	97	·55	6·1	102	·56	6·2	97	·49	5·4	98	·50	5·5	93	·52	5·8	98	·63	7·0	95	·54	6·0	100
1920 ..	·54	6·0	120	·52	5·8	104	·49	5·5	93	·56	6·2	97	·43	4·8	84	·51	5·7	88	·50	5·6	93	·45	5·0	85	·43	4·8	80	·47	5·2	81	·41	4·6	84	·46	5·1	86	·44	4·9	83	·59	6·5	88	·48	5·3	88
LUSTRA. 1881–1885..	·45	4·9	98	·50	5·5	98	·56	6·1	103	·60	6·6	103	·52	5·8	102	·58	6·4	98	·55	6·1	102	·54	5·9	100	·54	6·0	100	·57	6·2	97	·50	5·5	100	·56	6·1	103	·54	6·0	102	·70	7·7	104	·54	6·0	100
1886–1890..	·41	4·5	90	·51	5·6	100	·49	5·4	92	·53	5·9	92	·48	5·2	91	·53	5·8	89	·51	5·5	92	·53	5·9	100	·50	5·5	92	·55	6·0	94	·49	5·4	98	·54	5·9	100	·52	5·7	97	·64	7·0	95	·52	5·7	95
1891–1895..	·51	5·6	112	·55	6·0	107	·57	6·3	107	·59	6·4	100	·56	6·2	109	·64	7·0	108	·58	6·4	107	·56	6·1	103	·55	6·1	102	·63	6·9	108	·52	5·7	104	·56	6·1	103	·56	6·2	105	·75	8·3	112	·57	6·3	105
1896–1900..	·47	5·2	104	·50	5·5	98	·51	5·6	95	·57	6·2	97	·53	5·8	102	·59	6·5	100	·54	5·9	98	·53	5·9	100	·57	6·3	103	·60	6·6	103	·49	5·4	98	·54	5·9	100	·55	6·1	103	·66	7·2	97	·55	6·1	102
1901–1905..	·48	5·3	106	·51	5·6	100	·56	6·2	105	·59	6·5	102	·52	5·7	100	·59	6·4	98	·55	6·1	102	·55	6·1	103	**·59**	6·4	107	·56	6·2	97	·52	5·7	104	·54	5·9	100	·52	5·7	97	·65	7·1	96	·53	5·8	97
1906–1910..	·45	4·9	98	·49	5·4	96	·50	5·5	93	·58	6·4	100	·51	5·6	98	·61	6·7	103	·54	5·9	98	·52	5·7	97	·53	5·8	97	·57	6·2	97	·47	5·2	95	·51	5·6	95	·52	5·7	97	·65	7·1	96	·53	5·8	97
1911–1915..	·44	4·9	98	·50	5·6	100	·53	5·9	100	·61	6·8	106	·53	5·9	104	·63	7·0	108	·57	6·3	105	·52	5·8	98	·56	6·2	103	·57	6·3	98	·49	5·4	98	·52	5·8	98	·53	5·9	100	·63	7·0	95	·55	6·1	102
1916–1920..	·44	4·9	98	·48	5·3	95	·50	5·6	95	·57	6·3	98	·49	5·2	91	·58	6·4	98	·52	5·8	97	·51	5·7	97	·52	5·8	97	·57	6·3	98	·46	5·1	93	·52	5·7	97	·51	5·7	97	·66	7·3	99	·52	5·8	97

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: October 21st, 1920.

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WEEKLY WEATHER REPORT, 1920. Appendix I. (Third Quarter.) Price 6d

DISTRICT VALUES OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE, FOR THE QUARTER, JULY TO SEPTEMBER, IN THE YEARS 1878-1920.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881-1915.

YEARS.	0 Scotland, N.			EASTERN DISTRICTS. 1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Means for Eastern Districts.			WESTERN DISTRICTS. 6 Scotland, W.			7 England, N.W. and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Means for Western Districts.			11 English Channel.			Means for Districts 1-10 Combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.		
Normal (1881–1915).	**59**	**292**	—	**50**	**208**	—	**43**	**171**	—	**41**	**161**	—	**41**	**174**	—	**39**	**166**	—	**43**	**176**	—	**51**	**291**	—	**47**	**236**	—	**45**	**229**	—	**57**	**250**	—	**51**	**245**	—	**50**	**250**	—	**45**	**180**	—	**47**	**214**	—
1878	51	*267*	*92*	47	*241*	*116*	46	213	125	48	165	102	43	231	133	40	191	115	44	208	118	47	*279*	*96*	48	274	116	44	234	102	55	206	82	51	267	109	48	251	100	52	216	120	46	231	108
1879	59	*325*	*111*	55	*295*	*142*	53	229	134	**61**	**290**	**180**	54	274	158	**56**	284	171	**55**	274	156	**64**	*419*	*144*	**62**	353	150	**61**	328	143	68	**394**	**158**	64	315	129	**64**	**361**	**144**	**63**	262	146	**60**	**318**	**149**
1880	**40**	*249*	*85*	46	*231*	*111*	45	**267**	**156**	46	*239*	*148*	44	284	163	43	239	144	46	251	143	46	*251*	*86*	46	254	108	47	196	86	54	249	100	49	274	112	48	244	98	55	203	113	47	249	116
1881	49	216	74	50	*274*	*132*	51	262	153	51	*203*	*126*	47	211	121	47	208	125	49	231	131	55	*287*	*99*	50	279	118	49	239	104	63	218	87	55	262	107	54	257	103	51	198	110	52	244	114
1882	60	*272*	*93*	57	*241*	*116*	**56**	175	102	48	*165*	*102*	**55**	206	118	49	183	110	53	193	110	57	*328*	*113*	55	292	124	57	335	146	65	292	117	59	282	115	59	305	122	59	206	114	56	249	116
1883	59	*282*	*97*	57	**300**	**144**	51	211	123	52	*193*	*120*	50	226	130	49	170	102	52	221	126	54	*325*	*112*	**51**	249	106	58	257	112	61	290	116	57	325	133	56	290	116	62	241	134	54	257	120
1884	53	*262*	*90*	48	*188*	*90*	35	135	79	38	*178*	*111*	40	157	90	44	150	90	41	163	93	55	*330*	*113*	48	229	97	52	218	95	59	259	104	48	180	73	52	244	98	52	180	100	47	203	95
1885	59	*269*	*92*	45	*180*	*87*	36	145	85	36	*147*	*91*	35	150	86	33	130	78	37	150	85	46	295	101	43	198	84	42	224	98	51	251	100	46	251	102	46	244	98	45	145	81	42	198	93
1886	59	*290*	*99*	43	150	72	41	173	101	38	*155*	*96*	39	163	94	35	147	89	39	157	89	48	290	100	42	262	111	40	236	103	54	267	94	53	277	113	47	259	104	48	183	102	43	208	97
1887	63	*282*	*97*	53	193	93	44	155	91	42	*127*	*79*	35	132	76	35	147	89	42	150	85	49	274	94	43	180	76	37	185	81	55	236	107	46	201	82	46	221	88	40	157	87	44	185	86
1888	55	*254*	*87*	52	180	87	49	234	137	53	*201*	*125*	48	201	116	46	201	121	50	203	115	53	246	85	50	244	103	53	249	109	54	241	96	44	213	87	51	239	96	51	198	110	51	221	103
1889	58	*302*	*104*	51	224	108	48	196	115	48	*216*	*134*	44	198	114	41	168	101	46	201	114	51	274	94	48	259	110	50	231	101	60	302	121	50	249	102	52	264	106	47	152	84	49	234	109
1890	65	*333*	*114*	54	213	102	48	211	123	44	*173*	*108*	47	168	96	44	218	131	47	196	111	54	305	105	53	234	99	52	249	109	65	259	104	55	213	87	56	251	100	44	206	114	52	224	105
1891	71	404	139	59	297	143	51	224	131	51	*203*	*126*	52	201	116	52	229	138	53	231	131	62	378	130	55	351	149	56	328	143	66	287	115	56	279	114	59	325	130	51	246	137	56	279	130
1892	66	381	131	51	211	101	44	168	98	40	*196*	*122*	46	191	110	44	213	128	45	196	111	53	394	135	53	307	130	51	254	111	62	305	122	53	335	137	54	320	128	43	183	102	50	259	121
1893	70	399	137	55	206	99	49	173	101	45	*140*	*87*	43	152	87	43	178	107	47	170	97	53	287	99	54	264	112	47	251	110	60	284	114	52	221	90	53	262	105	51	249	138	50	216	101
1894	53	267	92	48	226	109	49	157	92	54	*183*	*114*	44	173	99	51	234	141	49	196	111	40	185	64	44	203	86	52	272	119	54	173	69	45	224	91	47	211	84	54	**302**	**168**	48	203	95
1895	63	356	122	51	244	117	44	201	118	34	*198*	*123*	40	168	97	37	173	104	41	196	111	54	323	111	46	236	100	40	211	92	57	277	111	49	257	105	49	262	105	39	145	81	45	229	107
1896	59	343	118	59	236	113	52	175	102	49	*196*	*122*	51	211	121	46	231	139	51	211	120	60	353	121	55	287	122	49	254	111	64	343	137	56	323	132	57	312	125	50	244	136	54	262	122
1897	58	310	106	53	196	94	42	188	110	41	*165*	*102*	42	188	108	41	168	101	44	180	102	55	*310*	*107*	47	254	108	53	297	130	59	267	107	56	279	114	54	282	113	53	231	128	49	231	108
1898	57	333	114	43	165	79	**30**	**97**	**57**	**21**	**69**	**43**	**25**	107	61	**19**	71	43	**28**	102	58	49	*290*	*100*	40	183	78	29	137	60	51	226	90	42	229	93	42	213	85	34	94	52	**35**	157	73
1899	55	310	106	47	193	93	38	142	83	34	*127*	*79*	33	130	75	28	137	83	36	145	82	54	*244*	*84*	47	226	96	38	170	74	56	211	84	44	211	86	48	213	85	33	122	68	42	180	84
1900	60	328	112	50	244	117	35	185	108	32	*135*	*84*	31	155	89	29	104	63	35	165	94	57	*356*	*122*	42	241	102	43	168	73	52	224	90	**41**	246	100	47	246	98	40	109	61	41	206	96
1901	52	251	86	46	175	84	33	137	80	26	*104*	*65*	30	193	111	29	183	110	33	157	89	51	*284*	*98*	41	163	69	40	218	95	56	239	96	47	244	100	47	229	92	38	168	93	40	193	90
1902	65	257	88	53	175	84	46	137	80	40	*165*	*102*	45	163	94	43	173	104	45	163	93	52	*305*	*105*	52	163	69	46	188	82	62	244	98	46	198	81	52	218	87	47	147	82	48	191	89
1903	67	389	133	**63**	287	138	55	257	150	49	269	167	51	259	149	52	251	151	54	264	150	59	**437**	**150**	58	338	143	55	315	138	**70**	361	144	63	**338**	**138**	61	358	143	58	274	152	58	312	146
1904	58	292	100	48	185	89	35	155	91	33	142	88	34	188	108	35	145	87	37	163	93	43	315	108	44	198	84	44	241	105	60	297	119	50	282	115	48	267	107	49	191	106	43	216	101
1905	**72**	*333*	*114*	56	191	92	40	147	86	32	124	77	40	155	89	37	142	86	41	152	86	51	310	107	50	211	89	44	191	83	59	231	92	53	231	94	51	234	94	53	165	92	46	193	90
1906	56	292	100	46	188	90	33	112	66	24	81	50	30	**86**	**49**	28	74	45	32	109	62	49	264	91	43	180	76	38	142	62	54	191	76	49	168	69	47	188	75	30	**76**	**42**	39	150	70
1907	64	264	90	53	175	84	38	**97**	**57**	33	91	57	40	152	87	36	102	62	40	124	71	48	244	84	47	180	76	42	185	81	55	206	82	53	198	81	52	218	87	47	147	82	48	191	89
1908	63	290	99	49	221	106	48	157	92	46	178	111	44	191	110	40	193	116	45	188	107	52	345	119	52	290	123	46	257	112	55	297	119	55	297	121	52	297	119	43	173	96	48	244	114
1909	62	241	83	52	193	93	51	211	123	51	175	109	51	208	120	47	218	131	51	201	114	50	272	93	52	259	110	48	218	95	58	203	81	49	**147**	**60**	52	221	88	40	114	63	51	211	99
1910	52	241	83	45	234	112	43	160	94	46	150	93	38	163	94	35	127	77	41	168	96	48	328	113	44	224	95	39	211	92	47	249	100	52	234	96	46	249	100	41	150	83	44	208	97
1911	57	295	101	40	**107**	**51**	32	119	70	26	79	49	**25**	91	52	22	**69**	**42**	29	**94**	**53**	49	203	70	37	196	83	**27**	**135**	**59**	46	183	73	42	216	88	40	185	74	**25**	122	68	**35**	140	65
1912	48	251	86	43	224	108	51	234	137	48	272	169	46	254	146	45	196	118	47	236	134	44	244	84	51	272	115	50	315	138	54	246	98	55	259	106	51	267	107	52	297	165	49	251	117
1913	42	**132**	**45**	**36**	117	56	34	104	61	36	119	74	31	114	66	34	142	86	34	119	68	**33**	**145**	**50**	**34**	**157**	**67**	32	137	60	**43**	**155**	**62**	**41**	157	64	**37**	**150**	**60**	33	114	63	36	**135**	**63**
1914	55	254	87	42	175	84	36	157	92	36	109	68	40	168	97	35	140	84	38	150	85	44	239	82	42	241	102	46	272	119	52	211	84	57	287	117	48	249	100	46	226	126	43	201	93
1915	60	238	82	53	275	132	45	208	122	42	206	128	41	212	122	35	199	120	43	220	125	48	195	67	41	206	87	45	221	96	62	235	94	61	271	111	51	226	90	35	184	102	47	223	104
1916	52	182	62	48	238	114	40	169	99	40	141	88	37	146	84	33	146	88	40	168	96	46	233	80	38	182	77	32	215	94	49	179	72	47	185	76	43	199	80	34	177	98	42	184	86
1917	59	342	117	50	223	107	45	197	115	41	228	142	46	225	129	45	262	158	46	**227**	129	54	282	97	47	262	111	49	296	129	61	278	111	62	322	132	55	288	115	47	208	115	51	257	122
1918	69	**417**	**143**	59	296	142	54	249	146	51	256	159	**55**	**298**	**171**	49	**307**	**185**	54	**281**	**160**	63	366	126	61	**375**	**159**	**58**	**385**	**168**	66	299	120	**66**	336	137	63	352	141	54	262	146	58	317	148
1919	55	301	103	41	141	68	39	156	91	36	146	91	37	173	99	34	151	91	37	153	87	47	234	80	43	187	79	39	171	75	51	196	78	46	180	73	45	194	77	36	167	93	41	173	81
1920	58	255	87	53	238	114	47	174	102	46	179	111	46	196	113	39	215	130	46	201	114	59	315	108	53	268	114	46	246	107	62	240	96	61	238	97	56	261	104	40	200	111	51	231	108
Lustra. 1881–1885	56	*259*	*89*	51	*236*	*113*	46	185	108	45	*178*	*111*	45	191	110	44	168	101	46	191	109	53	*312*	*107*	49	249	106	52	254	111	60	262	105	53	259	106	53	267	107	54	193	107	50	229	107
Lustra. 1886–1890	60	*292*	*100*	51	193	93	46	193	113	45	*175*	*109*	43	173	99	40	175	105	45	183	104	51	277	95	47	236	100	46	231	101	58	262	105	50	231	94	50	246	98	46	180	100	48	216	101
Lustra. 1891–1895	63	361	123	53	236	113	47	185	108	45	*183*	*114*	45	178	102	45	206	124	47	198	113	52	312	107	50	272	115	49	264	115	60	264	106	51	264	108	52	274	110	48	226	126	50	236	110
Lustra. 1896–1900	58	325	111	50	206	99	39	157	92	35	*137*	*85*	36	157	90	33	142	86	39	160	91	55	*310*	*107*	46	239	101	42	206	90	56	254	102	48	257	105	49	254	102	42	160	88	44	208	97
Lustra. 1901–1905	63	305	104	53	203	98	42	168	98	36	160	99	40	191	110	39	178	107	42	180	102	51	*330*	*113*	49	213	90	46	231	101	61	274	110	52	259	106	52	262	105	49	188	103	47	221	103
Lustra. 1906–1910	59	267	91	49	203	98	43	147	86	40	135	84	41	160	92	37	142	86	42	157	89	49	290	100	48	226	96	43	203	89	54	229	92	52	208	85	49	231	92	38	127	70	45	196	92
Lustra. 1911–1915	52	234	80	43	180	87	40	164	96	38	157	98	37	168	97	34	149	90	38	164	93	44	205	70	41	214	91	40	216	94	50	205	82	51	238	96	45	215	86	38	189	105	42	190	89
Lustra. 1916–1920	59	299	102	50	227	109	45	189	111	43	190	118	44	208	120	40	216	130	45	206	117	54	286	98	48	255	108	45	263	115	58	238	95	56	252	103	52	259	104	42	203	113	49	232	108

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DISTRICT VALUES. 1878 TO 1920. THIRD QUARTER.

TABLE II.—TEMPERATURE, FAHRENHEIT SCALE—MEAN TEMPERATURE AND DEVIATION FROM THE NORMAL FOR THE 35 YEARS, 1881-1915.

		EASTERN DISTRICTS.												WESTERN DISTRICTS.															
		0 Scotland, N.		1 Scotland, E.		2 England, N.E.		3 England, E.		4 Midland Counties		5 England, S.E.		Districts, 1-5		6 Scotland, W.		7 England, N.W. and N. Wales		8 S.Wales and England, S.W.		9 Ireland, N.		10 Ireland, S.		Districts 6-10		11 English Channel		Districts 1-10	
		°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.
Normal (1881–1915)		**53·8**	—	**54·9**	—	**57·2**	—	**59·0**	—	**58·1**	—	**59·9**	—	**57·7**	—	**55·8**	—	**57·4**	—	**58·5**	—	**56·1**	—	**57·6**	—	**57·0**	—	**60·6**	—	**57·4**	—
1878		*55·8*	*+2·0*	*56·7*	*+1·8*	58·7	+1·5	59·9	+0·9	59·7	+1·6	61·2	+1·3	59·2	+1·5	**58·6**	**+2·8**	59·1	+1·7	60·9	+2·4	**58·4**	**+2·3**	**60·3**	**+2·7**	59·5	+2·5	61·8	+1·2	59·4	+2·0
1879		*53·1*	*−0·7*	*53·5*	*−1·4*	55·8	−1·4	57·6	−1·4	57·3	−0·8	58·3	−1·6	56·5	−1·2	*54·8*	*−1·0*	55·8	−1·6	57·1	−1·4	54·4	−1·7	57·1	−0·5	55·8	−1·2	58·2	−2·4	56·2	−1·2
1880		**56·4**	**+2·6**	*56·7*	*+1·8*	59·1	+1·9	60·6	+1·6	59·6	+1·5	61·7	+1·8	59·5	+1·8	*58·1*	*+2·3*	59·4	+2·0	60·9	+2·4	**58·4**	**+2·3**	59·7	+2·1	59·3	+2·3	61·2	+0·6	59·4	+2·0
1881		*52·6*	*−1·2*	*53·6*	*−1·3*	56·4	−0·8	58·1	−0·9	57·2	−0·9	59·0	−0·9	56·9	−0·8	*54·5*	*−1·3*	56·0	−1·4	57·1	−1·4	55·4	−0·7	56·0	−1·6	55·8	−1·2	59·5	−1·1	56·4	−1·0
1882		*54·8*	*+1·0*	*55·5*	*+0·6*	57·3	+0·1	57·7	−1·3	56·6	−1·5	58·4	−1·5	57·1	−0·6	*55·6*	*−0·2*	56·4	−1·0	57·0	−1·5	55·5	−0·6	55·8	−1·8	56·1	−0·9	58·6	−2·0	56·6	−0·8
1883		*53·6*	*−0·2*	*54·6*	*−0·3*	53·5	−0·7	58·0	−1·0	57·2	−0·9	59·1	−0·8	57·1	−0·6	*55·4*	*−0·4*	56·8	−0·6	57·1	−1·4	55·4	−0·7	56·5	−1·1	56·2	−0·8	58·8	−1·8	56·7	−0·7
1884		*55·1*	*+1·3*	*56·3*	*+1·4*	58·7	+1·5	61·3	+2·3	60·2	+2·1	62·0	+2·1	59·7	+2·0	*57·7*	*+1·9*	59·2	+1·8	60·1	+1·6	57·5	+1·4	58·6	+1·0	58·6	+1·6	61·4	+0·8	59·2	+1·8
1885		*52·3*	*−1·5*	*53·8*	*−1·1*	55·8	−1·4	57·5	−1·5	57·2	−0·9	59·2	−0·7	56·7	−1·0	*54·4*	*−1·4*	55·8	−1·6	57·3	−1·2	55·3	−0·8	56·9	−0·7	55·9	−1·1	59·2	−1·3	56·3	−1·1
1886		*53·1*	*−0·7*	*54·9*	*0·0*	57·7	+0·5	59·7	+0·7	59·2	+1·1	60·9	+1·0	58·5	+0·8	*55·5*	*−0·3*	57·3	−0·1	59·0	+0·5	56·1	·0	57·8	+0·2	57·1	+0·1	60·7	+0·1	57·8	+0·4
1887		*52·9*	*−0·9*	55·2	+0·3	55·7	−0·5	58·6	−0·4	57·7	−0·4	59·3	−0·6	57·5	−0·2	55·1	−0·7	57·1	−0·3	58·3	−0·2	56·1	0·0	58·0	+0·4	56·9	−0·1	60·9	+0·3	57·2	−0·2
1888		**51·6**	**−2·2**	52·8	−2·1	**54·0**	**−3·2**	**56·6**	**−2·4**	**55·3**	**−2·8**	57·6	−3·3	**55·2**	**−2·5**	**53·8**	**−2·0**	**55·0**	**−2·4**	56·3	−2·2	54·6	−1·5	55·8	−1·8	55·1	−1·9	58·6	−2·0	**56·2**	**−2·2**
1889		*53·1*	*−0·7*	54·3	−0·6	56·0	−1·2	57·6	−1·4	57·0	−1·1	59·0	−0·9	56·8	−0·9	55·1	−0·7	56·5	−0·9	57·6	−0·9	55·7	−0·4	57·1	−0·5	56·4	−0·6	60·0	−0·6	56·6	−0·8
1890		*53·8*	*−0·0*	55·3	+0·4	57·3	+0·1	58·3	−0·7	57·6	−0·5	59·4	−0·5	57·6	−0·1	55·7	−0·1	57·1	−0·3	57·7	−0·8	56·1	0·0	57·2	−0·4	56·8	−0·2	58·9	−1·7	57·2	−0·2
1891		53·7	−0·1	55·3	+0·4	56·6	−0·6	57·9	−1·1	57·0	−1·1	58·8	−1·1	57·1	−0·6	55·8	0·0	57·0	−0·4	57·0	−1·5	56·2	+0·1	56·9	−0·7	56·6	−0·4	59·5	−1·1	56·9	−0·5
1892		51·7	−2·1	53·0	−1·9	55·0	−2·2	57·1	−1·9	56·0	−2·1	58·8	−1·1	56·0	−1·7	54·0	−1·8	55·8	−1·6	57·2	−1·3	54·7	−1·4	56·6	−1·0	55·7	−1·3	60·3	−0·3	55·9	−1·5
1893		54·7	+0·9	55·9	+1·0	58·0	+0·8	60·0	+1·0	59·7	+1·6	61·3	+1·4	59·0	+1·3	56·8	+1·0	59·5	+2·1	60·0	+1·5	57·7	+1·6	59·1	+1·5	58·6	+1·6	62·4	+1·8	58·8	+1·4
1894		54·1	+0·3	54·7	−0·2	56·1	−1·1	57·5	−1·5	56·7	−1·4	58·9	−1·0	56·8	−0·9	55·2	−0·6	56·8	−0·6	57·2	−1·3	55·5	−0·6	56·3	−1·3	56·2	−0·8	59·8	−0·8	56·5	−0·9
1895		55·0	+1·2	56·5	+1·6	59·0	+1·8	60·3	+1·3	59·5	+1·4	61·3	+1·4	59·3	+1·6	56·8	+1·0	58·9	+1·5	59·4	+0·9	57·1	+1·0	57·9	+0·3	58·0	+1·0	62·1	+1·5	58·7	+1·3
1896		53·4	−0·4	54·7	−0·2	57·2	0·0	58·9	−0·1	57·8	−0·3	60·5	+0·6	57·8	+0·1	55·7	−0·1	57·7	+0·3	59·0	+0·5	55·7	−0·4	57·7	+0·1	57·2	+0·2	61·5	+0·9	57·5	+0·1
1897		54·5	+0·7	55·4	+0·5	57·0	−0·2	58·8	−0·2	58·1	0·0	60·5	+0·6	58·0	+0·3	56·2	+0·4	57·9	+0·5	58·8	+0·3	56·4	+0·3	57·7	+0·1	57·4	+0·4	61·0	+0·4	57·7	+0·3
1898		54·5	+0·7	56·3	+1·4	58·3	+1·1	60·1	+1·1	59·6	+1·5	61·9	+2·0	59·2	+1·5	57·0	+1·2	58·8	+1·4	60·3	+1·8	57·7	+1·6	59·9	+2·3	58·7	+1·7	62·9	+2·3	59·0	+1·6
1899		55·6	+1·8	56·5	+1·6	58·7	+1·5	61·1	+2·1	60·7	+2·6	63·0	+3·1	60·0	+2·3	57·3	+1·5	59·5	+2·1	61·9	+3·4	58·1	+2·0	59·9	+2·3	59·3	+2·3	64·1	+3·5	60·7	+2·3
1900		54·6	+0·8	55·5	+0·6	58·3	+1·1	60·9	+1·9	59·5	+1·4	61·3	+1·4	59·1	+1·4	56·4	+0·6	58·4	+1·0	59·7	+1·2	57·1	+1·0	58·6	+1·0	58·0	+1·0	62·3	+1·7	58·6	+1·2
1901		56·3	+2·5	**57·4**	**+2·5**	59·5	+2·3	60·9	+1·9	60·3	+2·2	61·5	+1·6	59·9	+2·2	57·8	+2·0	59·6	+2·2	60·4	+1·9	57·2	+1·1	59·1	+1·5	58·8	+1·8	62·2	+1·6	59·4	+2·0
1902		52·2	−1·6	53·3	−1·6	55·7	−1·5	58·0	−1·0	56·8	−1·3	59·2	−0·7	56·6	−1·1	54·6	−1·2	56·3	−1·1	58·2	−0·3	55·5	−0·6	57·8	+0·2	56·5	−0·5	60·7	+0·1	56·6	−0·8
1903		52·5	−1·3	53·4	−1·5	55·9	−1·3	58·3	−0·7	56·7	−1·4	59·0	−0·9	55·7	−1·0	54·9	−0·9	56·4	−1·0	57·9	−0·6	55·2	−0·9	57·0	−0·6	56·3	−0·7	60·1	−0·5	56·5	−0·9
1904		*54·0*	*+0·2*	54·9	0·0	58·1	+0·9	59·7	+0·7	58·1	0·0	59·9	0·0	58·1	+0·4	56·0	+0·2	57·7	+0·3	59·1	+0·6	55·9	−0·2	57·6	0·0	57·3	+0·3	60·8	+0·2	57·7	+0·3
1905		*54·0*	*+0·2*	55·3	+0·4	58·3	+1·1	60·4	+1·4	58·1	0·0	59·9	0·0	58·4	+0·7	55·8	0·0	57·3	−0·1	58·3	−0·2	55·8	−0·3	57·6	0·0	57·0	0·0	60·6	0·0	57·7	+0·3
1906		54·3	+0·5	55·8	+0·9	59·5	+2·3	61·4	+2·4	60·0	+1·9	61·0	+1·1	59·5	+1·8	56·8	+1·0	58·4	+1·0	59·3	+0·8	56·9	+0·8	58·7	+1·1	58·0	+1·0	61·7	+1·1	58·8	+1·4
1907		52·3	−1·5	53·3	−1·6	56·2	−1·0	57·8	−1·2	56·8	−1·3	58·6	−1·3	56·5	−1·2	55·5	−0·3	56·6	−0·8	57·8	−0·7	55·8	−0·3	58·1	+0·5	56·8	−0·2	60·5	−0·1	56·7	−0·7
1908		53·6	−0·2	54·4	−0·5	56·9	−0·3	58·3	−0·7	57·5	−0·6	58·9	−1·0	57·2	−0·5	56·1	+0·3	56·9	−0·5	58·2	−0·3	55·9	−0·2	57·8	+0·2	57·0	0·0	60·5	−0·1	57·1	−0·3
1909		52·7	−1·1	53·7	−1·2	56·5	−0·7	57·9	−1·1	57·1	−1·0	58·7	−1·2	56·8	−0·9	54·7	−1·1	56·0	−1·4	57·8	−0·7	55·5	−0·6	57·3	−0·3	56·3	−0·7	60·2	−0·4	56·6	−0·8
1910		54·0	+0·2	54·2	−0·7	56·4	−0·8	57·9	−1·1	56·9	−1·2	58·1	−1·8	56·7	−1·0	55·8	0·0	56·6	−0·8	57·4	−1·1	55·9	−0·2	57·2	−0·4	56·6	−0·4	59·5	−1·1	56·7	−0·7
1911		55·1	+1·3	56·5	+1·6	**60·2**	**+3·0**	**63·3**	**+4·3**	**61·9**	**+3·8**	**63·7**	**+3·8**	**61·1**	**+3·4**	57·7	+1·9	**60·3**	**+2·9**	**62·3**	**+3·8**	57·9	+1·8	59·9	+2·3	**59·6**	**+2·6**	**64·4**	**+3·8**	**60·4**	**+3·0**
1912		52·2	−1·6	**52·5**	**−2·4**	54·9	−2·3	57·4	−1·6	55·5	−2·6	**57·3**	**−2·6**	55·5	−2·2	54·2	−1·6	55·2	−2·2	**56·2**	**−2·3**	**53·4**	**−2·7**	**55·0**	**−2·6**	**54·8**	**−2·2**	**58·1**	**−2·5**	**55·2**	**−2·2**
1913		54·1	+0·3	55·0	+0·1	56·8	−0·4	58·3	−0·7	58·3	+0·2	59·4	−0·5	57·6	−0·1	55·9	+0·1	57·6	+0·2	59·2	+0·7	55·9	−0·2	58·1	+0·5	57·4	+0·4	60·4	−0·2	57·6	+0·2
1914		54·9	+1·1	55·4	+0·5	58·5	+1·3	60·3	+1·3	58·8	+0·7	60·4	+0·5	58·6	+0·9	56·8	+1·0	58·5	+1·1	59·0	+0·5	57·0	+0·9	58·8	+1·0	57·9	+0·9	61·2	+0·6	58·5	+1·1
1915		54·1	+0·3	54·9	0·0	57·2	0·0	58·8	−0·2	57·4	−0·7	59·0	−0·9	57·6	−0·1	55·9	+0·1	57·2	−0·2	57·9	−0·6	56·1	0·0	57·7	+0·1	57·0	0·0	60·1	−0·5	57·2	−0·2
1916		54·1	+0·3	55·0	+0·1	57·4	+0·2	58·5	−0·5	58·5	+0·4	59·5	−0·4	57·7	0·0	57·2	+1·4	58·1	+0·7	59·4	+0·9	57·4	+1·3	59·5	+1·9	58·3	+1·3	61·2	+0·6	58·1	+0·7
1917		55·6	+1·8	56·1	+1·2	58·8	+1·6	60·4	+1·4	59·5	+1·4	60·4	+0·5	59·0	+1·3	57·7	+1·9	59·0	+1·6	59·0	+0·5	57·6	+1·5	59·0	+1·4	58·5	+1·5	60·8	+0·2	58·8	+1·4
1918		52·3	−1·5	53·6	−1·3	57·4	+0·2	59·2	+0·2	58·3	+0·2	59·7	−0·2	57·7	0·0	55·6	−0·2	57·4	0·0	58·3	−0·2	55·6	−0·5	57·4	−0·2	56·8	−0·2	60·6	0·0	57·2	−0·2
1919		53·1	−0·7	54·1	−0·8	56·8	−0·4	58·1	−0·9	57·7	−0·4	59·4	−0·5	57·2	−0·5	55·2	−0·6	56·8	−0·6	58·5	0·0	55·8	−0·3	58·1	+0·5	56·8	−0·2	60·6	0·0	57·0	−0·4
1920		53·1	−0·7	53·4	−1·5	56·1	−1·1	57·6	−1·4	56·5	−1·6	57·9	−2·0	56·3	−1·4	54·9	−0·9	56·1	−1·6	56·8	−1·7	55·2	−0·9	56·8	−0·8	55·9	−1·1	59·2	−1·4	56·1	−1·3
LUSTRA 1881–1885		*53·7*	*−0·1*	*54·8*	*−0·1*	56·9	−0·3	58·5	−0·5	57·7	−0·4	59·5	−0·4	57·5	−0·2	*55·5*	*−0·3*	56·8	−0·6	57·7	−0·8	55·8	−0·3	56·8	−0·8	56·5	−0·5	59·5	−1·1	57·0	−0·4
1886–1890		*52·9*	*−0·9*	54·5	−0·4	56·3	−0·9	58·2	−0·8	57·4	−0·7	59·2	−0·7	57·1	−0·6	55·0	−0·8	56·6	−0·8	57·8	−0·7	55·7	−0·4	57·2	−0·4	56·5	−0·5	59·8	−0·8	56·8	−0·6
1891–1895		53·8	0·0	55·1	+0·2	56·9	−0·3	58·6	−0·4	57·8	−0·3	59·8	−0·1	57·6	−0·1	55·7	−0·1	57·6	+0·2	58·2	−0·3	56·2	+0·1	57·4	−0·2	57·0	0·0	60·8	+0·2	57·3	−0·1
1896–1900		54·5	+0·7	55·7	+0·8	57·9	+0·7	60·0	+1·0	59·1	+1·0	61·4	+1·5	58·8	+1·1	56·5	+0·7	58·5	+1·1	59·9	+1·4	57·0	+0·9	58·8	+1·2	58·1	+1·1	62·4	+1·8	58·5	+1·1
1901–1905		*53·8*	*0·0*	54·9	0·0	57·5	+0·3	59·5	+0·5	58·0	−0·1	59·9	0·0	58·0	+0·3	55·8	0·0	57·5	+0·1	58·8	+0·3	55·9	−0·2	57·8	+0·2	57·2	+0·2	60·9	+0·3	57·6	+0·2
1906–1910		53·4	−0·4	54·3	−0·6	57·1	−0·1	58·7	−0·3	57·7	−0·4	59·1	−0·8	57·4	−0·3	55·8	0·0	56·9	−0·5	58·1	−0·4	56·0	−0·1	57·6	0·0	56·9	−0·1	60·5	−0·1	57·2	−0·2
1911–1915		54·1	+0·3	54·9	0·0	57·6	+0·4	59·5	+0·5	58·5	+0·4	59·9	0·0	58·1	+0·4	56·1	+0·3	57·7	+0·3	58·8	+0·3	56·1	0·0	57·9	+0·3	57·4	+0·4	60·8	+0·2	57·7	+0·3
1916–1920		53·6	−0·2	54·4	−0·5	57·3	+0·1	58·8	−0·2	58·1	0·0	59·4	−0·5	57·6	−0·1	55·1	+0·3	57·5	+0·1	58·4	−0·1	56·3	+0·2	58·2	+0·6	57·3	+0·3	60·5	−0·1	57·4	0·0

TABLE III.—TEMPERATURE, ABSOLUTE SCALE—EXCESS OF MEAN TEMPERATURE ABOVE **200a**, AND DEVIATION FROM THE NORMAL FOR THE **35** YEARS **1881-1915.**

	0 Scotland N.		EASTERN DISTRICTS. 1 Scotland E.		2 England N.E.		3 England E.		4 Midland Counties.		5 England S.E.		Districts 1-5		WESTERN DISTRICTS. 6 Scotland W.		7 England N.W. and N. Wales.		8 S. Wales and England S.W.		9 Ireland N.		10 Ireland S.		Districts 6-10		11 English Channel		Districts 1-10	
	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.	°	Devn.
Normal (1881-1915) ..	**85·1**	—	**85·7**	—	**87·0**	—	**88·0**	—	**87·5**	—	**88·5**	—	**87·3**	—	**86·2**	—	**87·1**	—	**87·7**	—	**86·4**	—	**87·2**	—	**86·9**	—	**88·9**	—	**87·1**	—
1878	*86·2*	*+1·1*	*86·7*	*+1·0*	87·8	+0·8	88·5	+0·5	88·4	+0·9	89·2	+0·7	88·1	+0·8	**87·8**	**+1·6**	88·1	+1·0	**90·1**	+1·4	**87·7**	**+1·3**	**88·7**	**+1·5**	**88·3**	**+1·4**	89·6	+0·7	88·2	+1·1
1879	*84·7*	*−0·4*	*84·9*	*−0·8*	86·2	−0·8	87·2	−0·8	87·1	−0·4	87·6	−0·9	86·6	−0·7	*85·7*	*−0·5*	88·2	−0·9	86·9	−0·8	85·4	−1·0	86·9	−0·3	86·2	−0·7	87·6	−1·3	86·4	−0·7
1880..	**86·6**	**+1·5**	*86·7*	*+1·0*	88·1	+1·1	88·9	+0·9	88·3	+0·8	89·5	+1·0	88·3	+1·0	*87·5*	*+1·3*	88·2	+1·1	89·1	+1·4	**87·7**	**+1·3**	88·4	+1·2	88·2	+1·3	89·2	+0·3	88·2	+1·1
1881..	*84·4*	*−0·7*	*85·0*	*−0·7*	86·6	−0·4	87·5	−0·5	87·0	−0·5	88·0	−0·5	86·8	−0·5	*85·5*	*−0·7*	86·3	−0·8	86·9	−0·8	86·0	−0·4	86·3	−0·9	86·2	−0·7	88·3	−0·6	86·4	−0·5
1882..	*85·7*	*+0·6*	*86·1*	*−0·4*	87·1	+0·1	87·3	−0·7	86·7	−0·8	87·7	−0·8	86·9	−0·4	*86·1*	*−0·1*	86·6	−0·5	86·9	−0·8	86·1	−0·3	86·2	−1·0	86·4	−0·5	87·8	−1·1	86·7	−0·4
1883	*85·0*	*−0·1*	*85·6*	*−0·1*	86·6	−0·4	87·4	−0·6	87·0	−0·5	88·1	−0·4	86·9	−0·4	*86·0*	*−0·2*	86·8	−0·3	86·9	−0·8	86·0	−0·4	86·6	−0·6	86·4	−0·5	87·9	−1·0	86·7	−0·4
1884..	*85·8*	*+0·7*	*86·5*	*+0·8*	87·8	+0·8	89·3	+1·3	88·7	+1·2	89·7	+1·2	88·4	+1·1	*87·3*	*+1·1*	88·1	+1·0	88·6	**+0·9**	87·2	+0·8	87·8	+0·6	87·8	+0·9	89·3	+0·4	88·1	+1·0
1885..	*84·3*	*−0·8*	*85·1*	*−0·6*	86·2	−0·8	87·2	−0·8	87·0	−0·5	88·1	−0·4	86·7	−0·6	*85·4*	*−0·8*	86·2	−0·9	87·1	−0·6	85·9	−0·5	86·8	−0·4	86·3	−0·6	88·2	−0·7	86·5	−0·6
1886..	*84·7*	*−0·4*	*85·7*	*0·0*	87·3	+0·3	88·4	+0·4	88·1	+0·6	89·1	+0·6	87·7	+0·4	*86·1*	*−0·1*	87·1	0·0	88·0	+0·3	86·4	0·0	87·3	+0·1	86·9	0·0	88·9	0·0	87·3	+0·2
1887..	*84·6*	*−0·5*	85·9	+0·2	86·7	−0·3	87·8	−0·2	87·3	−0·2	88·2	−0·3	87·2	−0·1	85·8	−0·4	86·9	−0·2	87·6	−0·1	86·4	0·0	87·4	+0·2	86·8	−0·1	89·1	+0·2	87·0	−0·1
1888..	**83·9**	**−1·2**	84·6	−1·1	**85·2**	**−1·8**	**86·7**	**−1·3**	**85·9**	**−1·6**	87·2	−1·3	**85·9**	**−1·4**	**85·1**	**−1·1**	**85·8**	**−1·3**	86·5	−1·2	85·6	−0·8	86·2	−1·0	85·8	−1·1	87·8	−1·1	**85·9**	**−1·2**
1889..	*84·7*	*−0·4*	85·4	−0·3	86·3	−0·7	87·2	−0·8	86·9	−0·6	88·0	−0·5	86·8	−0·5	85·8	−0·4	86·6	−0·5	87·2	−0·5	86·2	−0·2	86·9	−0·3	86·6	−0·3	88·6	−0·3	86·7	−0·4
1890..	*85·1*	*0·0*	85·9	+0·2	87·1	+0·1	87·6	−0·4	87·2	−0·3	88·2	−0·3	87·2	−0·1	86·2	0·0	86·9	−0·2	**87·3**	−0·4	86·4	0·0	87·0	−0·2	86·8	−0·1	**87·9**	−1·0	87·0	−0·1
1891..	85·1	0·0	85·9	+0·2	86·7	−0·3	87·4	−0·6	86·9	−0·6	87·9	−0·6	86·9	−0·4	86·2	0·0	86·9	−0·2	86·9	−0·8	86·4	0·0	86·8	−0·4	86·7	−0·2	88·3	−0·6	86·8	−0·3
1892..	**83·9**	**−1·2**	84·7	−1·0	85·8	−1·2	86·9	−1·1	86·3	−1·2	87·9	−0·6	86·3	−1·0	85·2	−1·0	86·2	−0·9	87·0	−0·7	85·6	−0·8	86·7	−0·5	86·2	−0·7	88·7	−0·2	86·3	−0·8
1893..	85·6	+0·5	86·3	+0·6	87·4	+0·4	88·6	+0·6	88·4	+0·9	89·3	+0·8	88·0	+0·7	86·8	+0·6	88·3	+1·2	88·6	+0·9	87·3	+0·9	88·1	+0·9	87·8	+0·9	89·9	+1·0	87·9	+0·8
1894..	85·3	+0·2	85·6	−0·1	86·4	−0·6	87·2	−0·8	86·7	−0·8	87·9	−0·6	86·8	−0·5	85·9	−0·3	86·8	−0·3	87·0	−0·7	86·1	−0·3	86·5	−0·7	86·4	−0·5	88·4	−0·5	86·6	−0·5
1895..	85·8	+0·7	86·6	+0·9	88·0	+1·0	88·7	+0·7	88·3	+0·8	89·3	+0·8	88·2	+0·9	86·8	+0·6	87·9	+0·8	88·2	+0·5	86·9	+0·5	87·4	+0·2	87·4	+0·5	89·7	+0·8	87·8	+0·7
1896..	84·9	−0·2	85·6	−0·1	87·0	0·0	87·9	−0·1	87·3	−0·2	88·8	+0·3	87·3	0·0	86·2	0·0	87·3	+0·2	88·0	+0·3	86·2	−0·2	87·3	+0·1	87·0	+0·1	89·4	+0·5	87·2	+0·1
1897..	85·5	+0·4	86·0	+0·3	86·9	−0·1	87·9	−0·1	87·5	0·0	88·8	+0·3	87·4	+0·1	86·4	+0·2	87·4	+0·3	87·9	+0·2	86·6	+0·2	87·3	+0·1	87·1	+0·2	89·1	+0·2	87·3	+0·2
1898..	85·5	+0·4	86·5	+0·8	87·6	+0·6	88·6	+0·6	88·3	+0·8	89·6	+1·1	88·1	+0·8	86·9	+0·7	87·9	+0·8	88·7	+1·0	87·3	+0·9	88·5	+1·3	87·8	+0·9	90·2	+1·3	88·0	+0·9
1899..	86·1	+1·0	86·6	+0·9	87·8	+0·8	89·2	+1·2	88·9	+1·4	90·2	+1·7	88·6	+1·3	87·1	+0·9	88·3	+1·2	89·6	+1·9	87·5	+1·1	88·5	+1·3	88·2	+1·3	90·8	+1·9	88·4	+1·3
1900..	85·6	+0·5	86·1	+0·4	87·6	+0·6	89·1	+1·1	88·3	+0·8	89·3	+0·8	88·1	+0·8	86·6	+0·4	87·7	+0·6	88·4	+0·7	86·9	+0·5	87·8	+0·6	87·4	+0·5	89·8	+0·9	87·8	+0·7
1901..	86·5	+1·4	**87·1**	**+1·4**	88·3	+1·3	89·1	+1·1	88·7	+1·2	89·4	+0·9	88·5	+1·2	87·3	+1·1	88·3	+1·2	88·8	+1·1	87·0	+0·6	88·1	+0·9	87·9	+1·0	89·8	**+0·9**	88·2	+1·1
1902..	84·2	−0·9	84·8	−0·9	86·2	−0·8	87·4	−0·6	86·8	−0·7	88·1	−0·4	86·7	−0·6	85·6	−0·5	86·6	−0·5	87·4	−0·3	85·9	−0·5	86·9	−0·3	86·5	−0·4	88·6	−0·3	86·6	−0·5
1903..	84·4	−0·7	84·9	−0·8	86·3	−0·7	87·6	−0·4	86·7	−0·8	88·0	−0·5	86·7	−0·6	85·7	−0·5	86·6	−0·5	87·4	−0·3	85·9	−0·5	86·9	−0·3	86·5	−0·4	88·6	−0·3	86·6	−0·5
1904..	*85·2*	*+0·1*	85·7	0·0	87·5	+0·5	88·4	+0·4	87·5	0·0	88·5	0·0	87·5	+0·2	86·3	+0·1	87·3	+0·2	88·1	+0·4	86·3	−0·1	87·2	0·0	87·1	+0·2	89·0	+0·1	87·3	+0·2
1905..	*85·2*	*+0·1*	85·9	+0·2	87·6	+0·6	88·8	+0·8	87·5	0·0	88·5	0·0	87·7	+0·4	86·2	0·0	87·1	0·0	87·6	−0·1	86·2	−0·2	87·2	0·0	86·9	0·0	88·9	0·0	87·3	+0·2
1906..	85·4	+0·3	86·2	+0·5	88·3	+1·3	89·3	+1·3	88·6	+1·1	89·1	+0·6	88·3	+1·0	86·8	+0·6	87·7	+0·6	88·2	+0·5	86·8	+0·4	87·8	+0·6	87·4	+0·5	89·5	+0·6	87·9	+0·8
1907	84·3	−0·8	84·8	−0·9	86·4	−0·6	87·3	−0·7	86·8	−0·7	87·8	−0·7	86·6	−0·7	86·1	−0·1	86·7	−0·4	87·3	−0·4	86·2	−0·2	87·5	+0·3	86·8	−0·1	88·8	−0·1	86·7	−0·4
1908..	85·0	−0·1	85·4	−0·3	86·8	−0·2	87·6	−0·4	87·2	−0·3	87·9	−0·6	87·0	−0·3	86·4	+0·2	86·8	−0·3	87·6	−0·1	86·3	−0·1	87·3	+0·1	86·9	0·0	88·8	−0·1	86·9	−0·2
1909..	84·5	−0·6	85·1	−0·6	86·6	−0·4	87·4	−0·6	86·9	−0·6	87·8	−0·7	86·8	−0·5	85·6	−0·6	86·3	−0·8	87·3	−0·4	86·1	−0·3	87·1	−0·1	86·5	−0·4	88·7	−0·2	86·7	−0·4
1910..	85·2	+0·1	85·3	−0·4	86·6	−0·4	87·4	−0·6	86·8	−0·7	87·5	−1·0	86·7	−0·6	86·2	0·0	86·7	−0·6	87·2	−0·1	86·3	−0·1	87·0	−0·2	86·7	−0·2	88·3	−0·6	86·7	−0·4
1911..	85·8	+0·7	86·6	+0·9	**88·7**	**+1·7**	**90·4**	**+2·4**	**89·6**	**+2·1**	**90·6**	**+2·1**	**89·2**	**+1·9**	87·3	+1·1	**88·7**	**+1·6**	**89·8**	**+2·1**	87·4	+1·0	88·5	+1·3	**88·3**	**+1·4**	**91·0**	**+2·1**	**88·8**	**+1·7**
1912..	84·2	−0·9	**84·4**	**−1·3**	85·7	−1·3	87·1	−0·9	86·1	−1·4	**87·1**	**−1·4**	86·1	−1·2	85·3	−0·9	85·9	−1·2	**86·4**	**−1·3**	**84·9**	**−1·5**	**85·8**	**−1·4**	**85·7**	**−1·2**	**87·5**	**−1·4**	**85·9**	**−1·2**
1913..	85·3	+0·2	85·8	+0·1	86·8	−0·2	87·6	−0·4	87·6	+0·1	88·2	−0·3	87·2	−0·1	86·3	+0·1	87·2	+0·1	88·1	+0·4	86·3	−0·1	87·5	+0·3	87·1	+0·2	88·8	−0·1	87·2	+0·1
1914..	85·7	+0·6	86·0	+0·3	87·7	+0·7	88·7	+0·7	87·9	+0·4	88·8	+0·3	87·8	+0·5	86·8	+0·6	87·7	+0·6	88·0	+0·3	86·9	+0·5	87·8	+0·6	87·4	+0·5	89·2	+0·3	87·7	+0·6
1915..	85·3	+0·2	85·7	0·0	87·0	0·0	87·9	−0·1	87·1	−0·4	88·0	−0·5	87·2	−0·1	86·3	+0·1	87·0	−0·1	87·4	−0·3	86·4	0·0	87·3	+0·1	86·9	0·0	88·6	−0·3	87·0	−0·1
1916..	85·3	+0·2	85·8	+0·1	87·1	+0·1	87·7	−0·3	87·7	+0·2	88·3	−0·2	87·3	0·0	87·0	+0·8	87·5	+0·4	88·2	+0·5	87·1	+0·7	**88·3**	+1·1	87·6	+0·7	89·2	+0·3	87·5	+0·4
1917..	86·1	+1·0	86·4	+0·7	87·9	+0·9	88·8	+0·8	88·3	+0·8	88·8	+0·3	88·0	+0·7	87·3	+1·1	88·0	+0·9	88·0	+0·3	87·2	+0·8	88·0	+0·8	87·7	+0·8	89·0	+0·1	**87·9**	+0·8
1918..	84·3	−0·8	85·0	−0·7	87·1	+0·1	**88·1**	+0·1	87·6	+0·1	88·4	−0·1	87·3	0·0	86·1	−0·1	87·1	**0·0**	87·6	−0·1	86·1	−0·3	87·1	−0·1	86·8	−0·1	88·9	0·0	87·0	−0·1
1919..	84·7	−0·4	85·3	−0·4	86·8	−0·2	87·5	−0·5	87·3	−0·2	88·2	−0·3	87·0	−0·3	85·9	−0·3	86·8	−0·3	87·7	0·0	86·2	−0·2	87·5	+0·3	86·8	−0·1	88·9	0·0	86·9	−0·2
1920..	84·7	−0·4	84·9	−0·8	86·4	−0·6	87·2	−0·8	86·6	−0·9	87·4	−1·1	86·5	−0·8	85·7	−0·5	86·4	−0·7	86·8	−0·9	85·9	−0·5	86·8	−0·4	86·3	−0·6	88·1	−0·8	86·4	−0·7
LUSTRA 1881–1885	*85·1*	*0·0*	*85·7*	*0·0*	86·8	−0·2	**87·7**	**−0·3**	87·3	−0·2	88·3	−0·2	87·2	−0·1	*86·1*	*−0·1*	86·8	−0·3	87·3	−0·4	86·2	−0·2	86·8	−0·4	86·6	−0·4	88·3	−0·6	86·9	−0·2
1886–1890	*84·6*	*− 0·5*	85·5	+0·2	86·5	−0·5	87·6	−0·4	87·1	+0·4	88·1	−0·4	86·9	−0·4	85·8	−0·4	86·7	−0·4	87·3	−0·4	86·2	−0·2	87·0	−0·2	86·6	−0·3	88·4	−0·5	86·8	−0·3
1891–1895	85·1	0·0	85·8	+0·1	86·8	−0·2	87·8	−0·2	87·3	−0·2	88·4	−0·1	87·2	−0·1	86·2	0·0	87·2	+0·1	87·6	−0·1	86·4	0·0	87·1	−0·1	86·9	0·0	89·0	+0·1	87·1	0·0
1896–1900	85·5	+0·4	86·2	+0·5	87·4	+0·4	88·6	+0·6	88·1	+0·6	89·3	+0·8	87·9	+0·6	86·6	+0·4	87·7	+0·6	88·5	+0·8	86·9	+0·5	87·9	+0·7	87·5	+0·6	89·9	+1·0	87·7	+0·6
1901–1905	*85·1*	*0·0*	85·7	0·0	87·2	+0·2	88·3	+0·3	87·4	−0·1	88·5	0·0	87·4	+0·1	86·2	0·0	87·2	+0·1	87·9	+0·2	86·3	−0·1	87·3	+0·1	87·0	+0·1	89·1	+0·2	87·2	+0·1
1906–1910	84·9	−0·2	85·4	−0·3	86·9	−0·1	87·8	−0·2	87·3	−0·2	88·1	−0·4	87·1	−0·2	86·2	0·0	86·8	−0·3	87·5	−0·2	86·3	−0·1	87·2	0·0	86·8	−0·1	88·8	−0·1	87·0	−0·1
1911–1915	85·3	+0·2	85·7	0·0	87·2	+0·2	88·3	+0·3	87·7	+0·2	88·5	0·0	87·5	+0·2	86·4	+0·2	87·3	+0·2	87·9	+0·2	86·4	0·0	87·4	+0·2	87·1	+0·2	89·0	+0·1	87·3	+0·2
1916–1920	85·0	− 0·1	85·5	−0·2	87·1	+0·1	87·9	−0·1	87·5	0·0	88·2	−0·3	87·2	−0·1	86·4	+0·2	87·2	+0·1	87·7	0·0	86·5	+0·1	87·5	+0·3	87·0	+0·1	88·8	−0·1	87·1	0·0

DISTRICT VALUES. 1881 TO 1920. THIRD QUARTER.

TABLE IV.—SUNSHINE—DURATION IN THOUSAND HOURS, DAILY MEANS AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS 1881-1915.

EASTERN DISTRICTS.

	0 Scotland, N.			1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Districts 1-5.		
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.
Normal (1881–1915)	**·34**	**3·8**	—	**·41**	**4·6**	—	**·47**	**5·2**	—	**·53**	**5·9**	—	**·48**	**5·3**	—	**·56**	**6·2**	—	**·50**	**5·**	—
1881 ..	·30	3·3	87	·32	3·5	76	·42	4·6	88	·46	5·1	86	·44	4·8	91	·55	6·1	98	·44	4·8	87
1882 ..	·30	3·3	87	·45	5·0	109	·54	5·9	113	·52	5·7	97	·45	5·0	94	·54	5·9	95	·50	5·5	100
1883 ..	·30	3·3	87	·38	4·2	91	·46	5·1	98	·48	5·3	90	·41	4·5	85	·47	5·2	84	·44	4·8	87
1884 ..	·35	3·9	103	·43	4·7	102	·50	5·5	106	·55	6·1	103	·48	5·3	100	·53	5·8	94	·50	5·5	100
1885 ..	·36	4·0	105	·49	5·4	117	·41	4·5	87	·51	5·6	95	·51	5·6	106	·54	5·9	95	·49	5·4	98
1886 ..	·35	3·9	103	·46	5·1	110	·47	5·2	100	·58	6·4	108	·49	5·4	102	·56	6·2	100	·51	5·6	102
1887 ..	·29	3·2	84	·42	4·6	100	·50	5·5	106	·57	6·3	107	·53	5·8	109	·60	6·6	106	·52	5·7	104
1888 ..	·29	3·2	84	·37	4·1	89	·36	4·0	77	**·40**	**4·4**	**75**	·38	4·2	79	·42	4·6	74	·39	4·3	78
1889 ..	**·25**	**2·8**	**74**	·37	4·1	89	·39	4·3	83	·46	5·1	86	·43	4·7	89	·48	5·3	85	·43	4·7	85
1890 ..	·33	3·6	95	·44	4·8	104	·51	5·6	108	·53	5·8	98	·47	5·2	98	·51	5·6	90	·49	5·4	98
1891 ..	·29	3·2	84	·38	4·2	91	·39	4·3	83	·46	5·1	86	·43	4·7	89	·50	5·5	89	·43	4·7	85
1892 ..	·32	3·5	92	·40	4·4	96	·41	4·5	87	·48	5·3	90	·42	4·6	87	·52	5·7	92	·45	5·0	91
1893 ..	·32	3·5	92	·45	5·0	109	·54	5·9	113	·56	6·2	105	·54	5·9	111	·59	6·5	105	·54	5·9	107
1894 ..	·35	3·9	103	·41	4·5	98	·46	5·1	98	·44	4·8	81	·39	4·3	81	·46	5·1	82	·43	4·7	85
1895 ..	·26	2·9	76	·42	4·6	100	·54	5·9	113	·63	6·9	117	·55	6·1	115	·65	7·2	116	·56	6·2	113
1896 ..	·32	3·5	92	·39	4·3	93	·39	4·3	83	·47	5·2	88	·38	4·2	79	·53	5·8	94	·43	4·7	85
1897 ..	**·43**	**4·7**	**124**	**·55**	**6·1**	**133**	·62	6·8	131	·60	6·6	112	·57	6·3	119	·61	6·7	108	·59	6·5	118
1898 ..	·42	4·6	121	·51	5·6	122	·50	5·5	106	·60	6·6	112	·55	6·1	115	·63	6·9	111	·56	6·2	113
1899 ..	·41	4·5	118	·46	5·1	110	·51	5·6	108	·68	7·5	127	·60	6·6	125	·75	8·3	134	·60	6·6	120
1900 ..	·35	3·9	103	·42	4·6	100	·51	5·6	108	·64	7·0	119	·55	6·1	115	·72	7·9	127	·57	6·3	115
1901 ..	·40	4·4	116	·48	5·3	115	·58	6·4	123	·62	6·8	115	·50	5·5	104	·62	6·8	110	·56	6·2	113
1902 ..	·31	3·4	89	·33	3·6	78	·41	4·5	87	·57	6·3	107	·46	5·1	96	·54	5·9	95	·46	5·1	93
1903 ..	·38	4·2	111	·42	4·6	100	·49	5·4	104	·48	5·3	90	·43	4·7	89	·52	5·7	92	·47	5·2	95
1904 ..	·40	4·4	116	·41	4·5	98	·55	6·1	117	·68	7·5	127	·56	6·2	117	·67	7·4	119	·57	6·3	115
1905 ..	·37	4·1	108	·44	4·8	104	·54	5·9	113	·57	6·3	107	·51	5·6	106	·55	6·1	98	·52	5·7	104
1906 ..	**·43**	**4·7**	**124**	·50	5·5	120	·60	6·6	127	·69	7·6	129	·60	6·6	125	·69	7·6	123	·62	6·8	124
1907 ..	·36	4·0	105	·42	4·6	100	·49	5·4	104	·54	5·9	100	·48	5·3	100	·58	6·4	103	·50	5·5	100
1908 ..	·33	3·6	95	·38	4·2	91	·46	5·1	98	·55	6·1	103	·48	5·3	100	·62	6·8	110	·50	5·5	100
1909 ..	·37	4·1	108	·41	4·5	98	·43	4·7	90	·50	5·5	93	·44	4·8	91	·52	5·7	92	·46	5·1	93
1910 ..	·34	3·7	97	·37	4·1	89	·39	4·4	85	·41	4·5	76	·39	4·4	83	·45	5·0	81	·40	4·4	80
1911 ..	**·43**	**4·7**	**124**	·53	5·8	126	**·65**	**7·1**	**137**	**·76**	**8·3**	**141**	**·68**	**7·4**	**140**	**·85**	**9·2**	**148**	**·69**	**7·6**	**138**
1912 ..	·32	3·5	92	**·27**	**2·9**	**63**	**·30**	**3·2**	**62**	**·40**	**4·4**	**75**	**·31**	**3·3**	**62**	**·41**	**4·4**	**71**	**·34**	**3·6**	**65**
1913 ..	·33	3·7	97	·36	4·0	86	·39	4·3	81	·42	4·6	77	·35	3·9	74	·44	4·8	77	·39	4·3	78
1914 ..	·37	4·1	108	·44	4·9	107	·52	5·8	112	·56	6·2	105	·50	5·6	106	·62	6·9	111	·53	5·9	107
1915 ..	·33	3·6	95	·40	4·4	94	·49	5·3	101	·53	5·8	97	·48	5·2	98	·56	6·1	98	·49	5·4	98
1916 ..	·29	3·2	83	·36	4·0	87	·42	4·7	90	·42	4·7	79	·42	4·7	89	·50	5·5	88	·42	4·7	86
1917 ..	·40	4·5	118	·40	4·5	98	·46	5·1	98	·55	6·1	103	·44	4·9	94	·53	5·9	95	·48	5·3	98
1918 ..	·34	3·8	101	·41	4·6	101	·49	5·5	106	·54	6·0	101	·47	5·3	100	·57	6·3	101	·49	5·5	102
1919 ..	·33	3·7	98	·50	5·6	122	·45	5·0	95	·49	5·4	92	·46	5·1	97	·52	5·8	93	·48	5·4	99
1920 ..	·38	4·2	111	·37	4·1	90	·35	3·9	73	·41	4·6	77	·34	3·8	72	·41	4·6	75	·38	4·2	77
Lustra 1881–1885..	·32	3·5	92	·41	4·5	98	·47	5·1	97	·50	5·5	93	·46	5·0	94	·53	5·7	92	·47	5·2	95
Lustra 1886–1890..	·30	3·3	87	·41	4·5	97	·45	4·8	93	·51	5·5	94	·46	5·0	94	·51	5·6	90	·47	5·1	93
Lustra 1891–1895..	·31	3·3	87	·41	4·5	97	·47	5·1	98	·51	5·6	95	·47	5·1	96	·54	5·9	95	·48	5·2	95
Lustra 1896–1900..	·39	4·2	110	·47	5·1	110	·51	5·5	106	·60	6·5	111	·53	5·8	109	·65	7·0	113	·55	6·0	108
Lustra 1901–1905..	·37	4·0	105	·42	4·5	98	·51	5·6	107	·58	6·3	108	·49	5·3	100	·58	6·3	102	·52	5·6	102
Lustra 1906–1910..	·37	4·0	105	·42	4·5	98	·47	5·1	99	·54	5·8	100	·48	5·2	98	·57	6·2	100	·50	5·4	98
Lustra 1911–1915..	·35	3·9	103	·40	4·4	96	·46	5·1	98	·53	5·9	100	·46	5·1	96	·57	6·3	102	·49	5·4	98
Lustra 1916–1920..	·35	3·9	103	·41	4·6	100	·43	4·8	92	·48	5·4	92	·43	4·8	91	·51	5·6	90	·45	5·0	91

WESTERN DISTRICTS.

	6 Scotland, W.			7 England, N.W. and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Districts 6-10		
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.
Normal (1881–1915)	**·45**	**5·0**	—	**4·7**	**5·2**	—	**·52**	**5·8**	—	**·39**	**4·3**	—	**·44**	**4·9**	—	**·45**	**5·0**	—
1881 ..	·38	4·2	84	·38	4·2	81	·53	5·8	100	·38	4·2	98	·41	4·5	92	·42	4·6	92
1882 ..	·46	5·1	102	·43	4·7	90	·50	5·5	95	·37	4·1	95	·45	5·0	102	·44	4·8	96
1883 ..	·45	5·0	100	·44	4·8	92	·44	4·8	83	·33	3·6	84	·39	4·3	88	·41	4·5	90
1884 ..	·44	4·8	96	·46	5·1	98	·52	5·7	98	·37	4·1	95	·43	4·7	96	·44	4·8	96
1885 ..	·47	5·2	104	·50	5·5	106	·56	6·2	107	·37	4·1	95	·49	5·4	110	·48	5·3	106
1886 ..	·44	4·8	96	·47	5·2	100	·47	5·2	90	·35	3·9	91	·42	4·6	94	·43	4·7	94
1887 ..	·48	5·3	106	·49	5·4	104	·61	6·7	116	·38	4·2	98	·48	5·3	108	·49	5·4	108
1888 ..	·37	4·1	82	·38	4·2	81	·44	4·8	83	·33	3·6	84	·44	4·8	98	·39	4·3	86
1889 ..	·41	4·5	90	·40	4·4	85	·46	5·1	88	·34	3·7	86	·43	4·7	96	·41	4·5	90
1890 ..	·45	5·0	100	·43	4·7	90	·47	5·2	90	·38	4·2	98	·43	4·7	96	·43	4·7	94
1891 ..	·41	4·5	90	·36	4·0	77	·47	5·2	90	·36	4·0	93	·41	4·5	92	·40	4·4	88
1892 ..	·44	4·8	96	·40	4·4	85	·47	5·2	90	·35	3·9	91	·37	4·1	84	·41	4·5	90
1893 ..	·49	5·4	108	·48	5·3	102	·55	6·1	105	·45	5·0	116	·49	5·4	110	·49	5·4	108
1894 ..	·46	5·1	102	·39	4·3	83	·44	4·8	83	·37	4·1	95	·37	4·1	84	·41	4·5	90
1895 ..	·42	4·6	92	·48	5·3	102	·54	5·9	102	**·31**	**3·4**	**79**	·39	4·3	88	·43	4·7	94
1896 ..	·40	4·4	88	·38	4·2	81	·52	5·7	98	·33	3·6	84	·42	4·6	94	·41	4·5	90
1897 ..	·52	5·7	114	·56	6·2	119	·54	5·9	102	·45	5·0	116	·47	5·2	106	·51	5·6	112
1898 ..	·45	5·0	100	·50	5·5	106	·59	6·5	112	·42	4·6	107	·51	5·6	114	·49	5·4	108
1899 ..	·46	5·1	102	·53	5·8	112	·67	7·4	128	·43	4·7	109	·50	5·5	112	·52	5·7	114
1900 ..	·42	4·6	92	·56	6·2	119	·64	7·0	121	·44	4·8	112	·51	5·6	114	·51	5·6	112
1901 ..	·50	5·5	110	·57	6·3	121	·51	5·6	97	·35	3·9	91	·41	4·5	92	·47	5·2	104
1902 ..	·45	5·0	100	·49	5·4	104	·53	5·8	100	·40	4·4	102	·49	5·4	110	·47	5·2	104
1903 ..	·48	5·3	106	·47	5·2	100	·50	5·5	95	·41	4·5	105	·43	4·7	96	·46	5·1	102
1904 ..	·48	5·3	106	·55	6·1	117	·60	6·6	114	·43	4·7	109	·47	5·2	106	·51	5·6	112
1905 ..	·46	5·1	102	·48	5·3	102	·51	5·6	97	·38	4·2	98	·39	4·3	88	·44	4·8	96
1906 ..	·52	5·7	114	·58	6·4	123	·62	6·8	117	·47	5·2	121	·50	5·5	112	·54	5·9	118
1907 ..	·46	5·1	102	·47	5·2	100	·55	6·1	105	·40	4·4	102	·44	4·8	98	·46	5·1	102
1908 ..	·44	4·8	96	·49	5·4	104	·55	6·1	105	·40	4·4	102	·47	5·2	106	·47	5·2	104
1909 ..	·44	4·8	96	·43	4·7	90	·52	5·7	98	·36	4·0	93	·44	4·8	98	·44	4·8	96
1910 ..	·44	4·8	96	·46	5·1	98	·48	5·3	91	·42	4·6	107	·43	4·7	96	·45	5·0	100
1911 ..	**·57**	**6·2**	**124**	**·66**	**7·2**	**138**	**·73**	**7·9**	**136**	**·53**	**5·8**	**135**	**·60**	**6·5**	**133**	**·62**	**6·7**	**134**
1912 ..	**·36**	**4·0**	**80**	**·35**	**3·7**	**71**	**·36**	**3·9**	**67**	·34	3·7	86	**·35**	**3·8**	**78**	**·35**	**3·8**	**76**
1913 ..	·46	5·0	100	·49	5·4	104	·49	5·4	93	·41	4·6	107	·44	4·6	100	·46	5·0	100
1914 ..	·47	5·2	104	·54	6·0	115	·56	6·1	105	·43	4·8	112	·43	4·8	98	·49	5·4	108
1915 ..	·46	5·0	100	·49	5·3	102	·55	6·0	103	·37	4·0	93	·47	5·1	104	·47	5·1	102
1916 ..	·41	4·6	93	·43	4·8	92	·50	5·6	97	·34	3·8	88	·41	4·6	95	·42	4·7	93
1917 ..	·44	4·9	98	·46	5·1	98	·46	5·1	87	·40	4·5	105	·41	4·6	95	·43	4·8	96
1918 ..	·42	4·7	94	·46	5·1	98	·51	5·7	98	·38	4·2	99	·46	5·1	105	·45	5·0	99
1919 ..	·54	6·0	120	·47	5·2	100	·56	6·2	107	·43	4·8	112	·50	5·6	115	·50	5·6	111
1920 ..	·39	4·3	86	·37	4·1	77	·40	4·4	76	·33	3·7	86	·36	4·0	82	·37	4·1	81
Lustra 1881–1885..	·44	4·8	96	·44	4·8	92	·51	5·5	95	·36	4·0	93	·43	4·7	96	·44	4·8	96
Lustra 1886–1890..	·43	4·7	94	·43	4·7	90	·49	5·3	91	·36	3·9	91	·44	4·8	98	·43	4·7	94
Lustra 1891–1895..	·44	4·8	96	·42	4·6	88	·49	5·4	93	·37	4·0	93	·41	4·4	90	·43	4·7	94
Lustra 1896–1900..	·45	4·9	98	·51	5·5	106	·59	6·4	110	·41	4·5	105	·48	5·2	106	·49	5·3	106
Lustra 1901–1905..	·47	5·2	104	·51	5·6	108	·53	5·8	100	·39	4·3	100	·44	4·8	98	·47	5·1	102
Lustra 1906–1910..	·46	5·0	100	·49	5·3	102	·50	5·9	102	·41	4·5	105	·46	5·0	102	·47	5·1	102
Lustra 1911–1915..	·45	5·0	100	·50	5·5	106	·53	5·9	102	·41	4·6	107	·45	5·0	102	·47	5·2	104
Lustra 1916–1920..	·44	4·9	98	·44	4·8	92	·49	5·4	93	·38	4·2	98	·43	4·8	98	·43	4·8	96

	11 English Channel.			Districts 1-10		
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.
Normal (1881–1915)	**·64**	**7·1**	—	**·47**	**5·2**	—
1881 ..	·68	7·5	106	·43	4·7	90
1882 ..	·63	6·9	97	·47	5·2	100
1883 ..	·59	6·5	92	·43	4·7	90
1884 ..	·61	6·7	94	·47	5·2	100
1885 ..	·72	7·9	111	·49	5·4	104
1886 ..	·66	7·3	103	·47	5·2	100
1887 ..	·70	7·7	108	·51	5·6	108
1888 ..	·57	6·3	89	·39	4·3	83
1889 ..	·63	6·9	97	·42	4·6	88
1890 ..	·63	6·9	97	·46	5·1	98
1891 ..	·60	6·6	93	·42	4·6	88
1892 ..	·67	7·4	104	·43	4·7	90
1893 ..	·72	7·9	111	·52	5·7	110
1894 ..	·52	5·7	80	·42	4·6	88
1895 ..	·69	7·6	107	·50	5·5	106
1896 ..	·64	7·0	99	·42	4·6	88
1897 ..	·61	6·7	94	·55	6·1	117
1898 ..	·78	8·6	121	·53	5·8	112
1899 ..	·78	8·6	121	·56	6·2	119
1900 ..	·78	8·6	121	·54	5·9	113
1901 ..	·66	7·3	103	·52	5·7	110
1902 ..	·64	7·0	99	·47	5·2	100
1903 ..	·60	6·6	93	·47	5·2	100
1904 ..	·69	7·6	107	·54	5·9	113
1905 ..	·58	6·4	90	·48	5·3	102
1906 ..	·71	7·8	110	·58	6·4	123
1907 ..	·64	7·0	99	·48	5·3	102
1908 ..	·65	7·2	101	·48	5·3	102
1909 ..	·61	6·7	94	·45	5·0	96
1910 ..	·54	5·9	83	·42	4·6	88
1911 ..	**·83**	**9·0**	**127**	**·66**	**7·1**	**137**
1912 ..	**·45**	**4·9**	**69**	**·35**	**3·7**	**71**
1913 ..	·56	6·2	86	·43	4·7	89
1914 ..	·60	6·7	94	·51	5·7	109
1915 ..	·71	7·7	108	·48	5·2	100
1916 ..	·63	7·0	98	·42	4·7	90
1917 ..	·58	6·4	90	·46	5·1	97
1918 ..	·66	7·3	102	·47	5·3	100
1919 ..	·63	7·0	98	·49	5·5	105
1920 ..	·52	5·8	82	·37	4·1	79
Lustra 1881–1885..	·65	7·0	99	·46	5·0	96
Lustra 1886–1890..	·64	6·9	98	·45	4·9	94
Lustra 1891–1895..	·64	7·0	98	·46	5·0	96
Lustra 1896–1900..	·72	7·8	110	·52	5·7	109
Lustra 1901–1905..	·63	6·9	97	·50	5·4	104
Lustra 1906–1910..	·63	6·8	97	·48	5·2	101
Lustra 1911–1915..	·62	6·9	97	·48	5·3	102
Lustra 1916–1920..	·60	6·7	94	·44	4·9	94

METEOROLOGICAL OFFICE, LONDON: G. C. SIMPSON, F.R.S., Director. F. J. W. WHIPPLE, M.A., Superintendent of Statistics: January 24th, 1921.

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DISTRICT VALUES OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE, FOR THE QUARTER, OCTOBER TO DECEMBER, IN THE YEARS, 1878-1920.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881-1915.

YEARS.	0 Scotland, N.			EASTERN DISTRICTS. 1 Scotland, E.			2 England, N.E.			3 England, E.			4 Midland Counties.			5 England, S.E.			Means for Eastern Districts.			WESTERN DISTRICTS. 6 Scotland, W.			7 England, N.W and N. Wales.			8 S. Wales and England, S.W.			9 Ireland, N.			10 Ireland, S.			Means for Western Districts.			11 English Channel.			Means for Districts 1-10 Combined.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.	
Normal (1881–1915)	68	422	—	56	237	—	53	189	—	52	181	—	51	204	—	51	241	—	53	211	—	59	387	—	56	277	—	59	345	—	63	290	—	60	317	—	60	323	—	64	310	—	56	267	—
1878	72	*361*	*86*	53	*269*	*113*	60	264	140	57	229	127	51	198	97	48	211	88	54	234	111	45	*323*	*83*	55	231	83	64	338	98	65	297	102	53	206	65	56	279	86	74	391	126	55	257	96
1879	58	246	58	41	*157*	*66*	38	91	48	44	79	44	33	71	35	32	64	27	38	91	43	37	173	45	35	132	48	31	109	32	42	124	43	37	107	34	36	130	40	38	107	35	37	112	42
1880	70	*380*	*90*	50	*253*	*107*	52	231	122	54	208	115	46	259	127	47	305	127	50	248	118	53	*302*	*78*	49	320	116	54	387	112	56	227	78	49	292	92	52	302	93	64	429	138	51	276	103
1881	64	*363*	*86*	58	*239*	*101*	54	183	97	60	203	112	51	218	107	52	241	100	55	216	102	56	*419*	*108*	54	302	109	59	361	105	65	307	106	62	340	107	59	345	107	65	320	103	57	282	106
1882	71	*386*	*91*	67	376	159	72	284	150	69	279	154	71	330	162	67	320	133	69	318	151	63	*450*	*116*	67	335	121	74	503	146	65	318	109	68	376	119	67	396	123	83	483	156	68	358	134
1883	79	*480*	*114*	48	*193*	*81*	53	147	78	60	183	101	52	188	92	49	183	76	52	178	84	66	*493*	*128*	57	287	104	62	300	87	71	310	107	60	282	89	63	335	104	63	262	85	58	257	96
1884	68	*472*	*112*	52	*226*	*95*	44	130	69	50	165	91	47	135	66	42	152	63	47	163	77	52	*429*	*111*	51	221	80	57	259	75	64	335	115	54	249	79	56	300	93	62	221	71	52	231	87
1885	63	*358*	*85*	45	*150*	*63*	51	178	94	55	221	122	52	218	107	50	229	95	51	198	94	52	*300*	*78*	50	249	90	59	323	94	54	226	78	59	257	81	55	272	84	62	287	93	53	236	89
1886§	70	*432*	*102*	56	*239*	*101*	52	236	125	54	213	118	59	257	126	62	340	141	57	254	120	60	397	103	64	337	122	70	450	130	66	366	126	64	377	119	65	384	119	79	384	124	61	318	119
1887	73	*356*	*84*	55	198	83	59	196	103	56	150	83	47	150	74	50	198	82	53	178	84	51	315	81	55	206	74	55	305	88	57	254	88	47	246	78	53	264	82	64	302	97	53	221	83
1888	69	*434*	*103*	57	236	100	46	145	77	42	135	75	43	213	104	50	218	91	48	191	91	57	427	110	56	257	93	61	356	103	66	264	91	63	351	111	61	330	102	66	259	84	55	262	98
1889	65	*333*	*79*	52	168	71	49	168	89	51	142	79	47	135	66	46	208	86	49	165	78	58	338	87	58	239	86	59	300	87	61	274	94	59	295	93	59	290	90	66	310	100	54	229	86
1890§	69	*488*	*116*	58	254	107	52	158	83	43	121	67	46	132	65	45	115	48	48	156	74	56	403	104	52	269	97	58	266	77	60	320	110	54	279	88	56	306	95	59	210	67	52	231	87
1891	61	404	96	51	246	104	52	198	105	62	216	119	60	290	142	62	345	143	57	259	123	60	528	137	58	361	130	64	462	134	64	315	109	61	419	132	61	417	129	66	371	120	59	338	127
1892	65	368	87	53	203	86	55	185	98	49	211	117	48	155	76	47	218	91	50	196	93	57	330	85	56	267	97	57	257	74	68	267	92	59	287	91	59	282	87	63	262	85	55	239	90
1893	76	615	146	57	208	88	52	150	79	55	183	101	50	170	83	51	226	94	53	188	89	65	417	108	61	264	95	56	307	89	65	257	89	57	264	83	61	302	93	61	234	75	57	246	92
1894	66	401	95	48	188	79	54	178	94	56	185	102	53	226	111	52	274	114	53	211	100	62	389	101	58	290	105	55	411	119	60	277	95	53	358	113	58	345	107	58	312	100	56	279	105
1895	66	422	100	58	269	114	55	208	110	52	178	99	53	218	107	56	267	111	55	229	109	53	361	93	59	302	109	65	422	122	63	323	111	62	351	111	60	351	109	74	389	125	58	290	109
1896§	66	375	89	58	245	103	63	262	139	57	177	98	54	193	95	53	219	91	57	217	103	54	309	80	53	264	95	58	331	96	58	245	84	54	271	85	56	274	85	71	305	98	57	245	92
1897	59	373	88	47	196	83	43	132	70	37	94	52	42	152	75	37	140	58	41	142	67	55	*353*	*91*	44	284	103	44	279	81	54	264	91	49	381	120	49	312	97	46	226	73	45	229	86
1898	71	620	147	59	290	122	52	216	114	48	173	96	50	211	103	48	234	97	51	224	106	62	*409*	*106*	63	267	96	64	389	113	69	297	102	64	343	108	64	340	105	68	323	104	58	282	106
1899	67	470	112	48	218	92	40	160	85	38	160	88	35	175	86	34	213	88	39	185	88	59	*381*	*99*	41	236	85	45	290	84	58	284	98	50	335	106	51	305	94	46	251	81	45	246	92
1900	76	566	134	71	325	137	60	234	124	60	142	78	61	211	103	59	224	93	62	226	107	72	538	139	64	340	123	69	404	117	71	386	133	67	478	151	69	429	133	71	310	100	66	328	123
1901	71	394	93	55	221	93	46	241	127	44	180	99	41	175	86	41	173	72	45	198	94	64	*401*	*104*	53	300	108	49	251	73	66	320	110	55	277	87	57	310	96	58	262	85	51	254	95
1902§	58	375	89	55	205	87	47	153	81	45	109	60	46	175	86	47	177	73	48	162	77	58	*392*	*101*	52	228	82	52	283	82	58	253	87	58	305	96	56	283	88	63	241	78	52	224	84
1903	65	422	100	63	254	107	55	254	134	52	193	107	57	236	116	56	279	116	57	244	116	66	485	125	63	340	123	65	394	114	71	323	111	66	312	99	66	371	115	74	335	108	62	307	115
1904	74	391	93	47	119	50	37	109	58	41	117	65	40	107	52	42	170	71	41	124	59	53	290	75	44	206	74	47	229	66	65	231	79	50	193	61	52	229	71	61	262	85	47	178	67
1905	72	394	94	61	251	106	50	175	93	48	132	73	46	135	66	45	178	74	50	175	83	53	318	82	49	213	77	46	218	63	65	257	88	53	198	63	53	241	75	58	231	75	52	208	78
1906	76	447	106	62	333	140	58	244	129	51	231	127	59	244	120	56	277	115	57	267	127	62	381	99	64	312	113	63	345	100	70	292	101	67	272	86	65	320	99	64	300	97	61	295	110
1907	67	320	76	58	287	121	61	234	124	57	196	108	59	279	137	58	297	123	59	259	123	65	424	110	63	325	117	70	427	124	69	297	102	73	389	123	68	373	115	66	361	116	64	318	119
1908§	61	357	85	46	146	62	42	95	50	44	109	60	46	118	58	45	144	60	45	123	58	57	280	72	49	191	69	51	214	62	58	227	78	62	236	74	55	228	71	53	196	63	49	177	66
1909	71	445	106	56	234	99	55	191	101	61	226	125	58	216	106	54	292	121	57	231	109	54	409	106	62	343	124	63	366	106	65	292	101	66	295	93	62	340	105	65	323	104	60	287	107
1910	69	343	81	59	231	97	52	198	105	54	229	127	57	290	142	55	312	130	56	251	119	58	335	87	61	305	110	68	452	131	63	224	77	70	292	92	64	323	100	74	478	154	60	287	107
1911	64	399	94	64	330	139	66	221	117	62	246	136	64	257	126	62	391	162	63	290	137	61	442	114	63	335	121	69	445	129	61	353	122	72	434	137	65	401	124	72	442	143	64	345	129
1912	79	561	13[illegible]	61	279	118	54	196	103	57	213	118	48	224	110	56	279	116	55	239	113	67	389	101	60	315	114	58	373	108	68	302	104	69	269	85	64	330	102	67	338	109	60	284	106
1913§	66	484	11[illegible]	48	158	67	44	130	69	46	144	80	46	170	83	44	202	84	46	161	76	62	319	82	55	208	75	56	290	84	60	279	96	62	302	95	59	283	88	59	280	90	52	222	83
1914	64	437	104	60	290	123	61	224	118	62	267	148	51	287	141	58	363	151	59	287	136	56	363	94	55	318	115	60	404	117	58	300	103	60	378	119	58	353	109	61	381	123	59	320	120
1915	59	284	67	56	271	114	54	215	114	53	224	124	47	249	122	47	324	134	51	257	122	51	332	86	48	268	97	54	423	122	60	294	101	60	388	123	55	341	106	60	387	125	53	299	112
1916	71	522	124	63	321	135	58	213	113	55	214	118	56	234	115	55	332	138	57	263	125	74	435	112	66	320	116	63	409	118	76	375	129	76	460	145	71	400	124	71	374	121	64	332	124
1917	81	622	148	59	247	104	47	141	75	50	155	86	48	158	77	48	183	76	50	177	84	69	489	126	62	287	104	53	245	71	74	351	121	67	237	75	65	322	100	60	244	79	58	250	94
1918	69	432	103	56	197	83	54	161	85	58	168	93	57	168	82	58	171	71	57	173	82	70	477	123	60	294	106	67	297	86	69	333	115	68	353	111	67	351	109	66	270	87	62	262	98
1919	69	367	87	63	302	127	65	241	127	62	201	111	54	204	100	55	205	85	60	231	109	57	373	96	55	260	94	59	311	90	62	297	102	57	228	72	58	294	91	66	295	95	59	263	99
1920	47	314	74	48	196	83	42	136	72	43	109	60	45	159	78	41	161	67	44	152	72	49	334	86	42	162	59	44	261	76	55	302	104	57	349	110	49	282	87	48	218	70	47	217	81
1881–1885	68	412	98	54	237	100	55	184	97	59	210	116	55	218	107	52	225	93	55	215	102	58	418	108	56	279	101	62	349	101	64	299	103	61	301	95	60	330	102	67	315	102	58	273	102
1886–1890	69	409	97	56	219	92	52	181	96	49	152	84	48	177	87	51	216	90	51	189	90	56	376	97	57	262	95	61	335	97	62	296	102	57	310	98	59	315	98	67	293	95	55	252	94
1891–1895	67	442	105	53	223	94	54	184	97	55	195	108	53	212	104	54	266	110	54	217	103	59	405	105	58	297	107	59	372	108	64	288	99	58	336	106	60	339	105	64	314	101	57	278	104
1896–1900	68	481	114	57	255	108	52	201	106	48	149	82	48	188	92	46	206	85	50	199	94	60	398	103	53	278	100	56	339	98	62	295	102	57	362	114	58	332	103	60	283	91	54	266	100
1901–1905	68	395	94	56	210	89	47	186	98	46	146	81	46	166	81	46	195	81	48	181	86	59	377	97	52	257	93	52	275	80	65	277	95	56	257	81	57	287	89	63	266	86	53	234	88
1906–1910	69	382	91	56	246	104	54	192	102	53	198	109	56	229	112	54	264	110	55	226	107	59	366	95	60	275	99	63	361	105	65	266	92	68	297	94	63	317	98	64	332	107	59	273	102
1911–1915	66	433	103	58	266	112	56	197	104	56	219	121	51	237	116	53	312	130	55	247	117	59	369	95	56	289	104	59	387	112	61	306	105	65	354	112	60	342	106	64	366	118	58	294	110
1916–1920	67	451	107	58	253	107	53	178	94	54	169	93	52	185	91	51	210	87	54	199	94	64	422	109	57	265	96	57	305	88	67	332	114	65	325	103	62	330	102	62	280	90	58	265	99

LUSTRA.

§ Quarter containing 14 weeks. Totals adjusted.

The maximum and minimum values in each column are shown in heavy type.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

(853) Wt.24/561/F25. 500 8/23. B.&F.Ltd. G93.

TABLE II.—TEMPERATURE, FAHRENHEIT SCALE—MEAN TEMPERATURE AND DEVIATION FROM THE NORMAL FOR THE **35** YEARS, **1881-1915.**

	0 Scotland, N.		EASTERN DISTRICTS. 1 Scotland, E.		2 England, N.E.		3 England, E.		4 Midland Counties.		5 England, S.E.		Districts. 1-5		WESTERN DISTRICTS. 6 Scotland, W.		7 England, N.W and N. Wales.		8 S. Wales and England, S.W.		9 Ireland, N.		10 Ireland, S.		Districts. 6-10		11 English Channel.		Districts 1-10	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Normal (1881–1915)	42·4	—	41·7	—	43·7	—	44·2	—	43·3	—	45·7	—	43·7	—	43·9	—	44·6	—	46·2	—	44·6	—	45·9	—	45·0	—	49·8	—	44·4	—
1878	*40·0*	*—2·4*	39·0	—2·7	39·8	—3·9	40·8	—3·4	40·7	—2·6	42·3	—3·4	40·5	—3·2	40·7	—3·2	41·5	—3·1	44·5	—1·7	42·1	—2·5	42·8	—3·1	42·3	—2·7	47·4	—2·4	41·4	—3·0
1879	*41·2*	*—1·2*	*40·2*	*—1·5*	40·3	—3·4	39·7	—4·5	39·8	—3·5	41·2	—4·5	40·2	—3·5	*41·9*	*—2·0*	42·0	—2·6	45·3	—0·9	43·0	—1·6	45·0	—0·9	43·4	—1·6	46·9	—2·9	41·8	—2·6
1880§	39·3	—3·1	*39·6*	*—2·1*	42·4	—1·3	43·6	—0·6	42·7	—0·6	45·3	—0·4	42·8	—0·9	*41·8*	*—2·1*	43·6	—1·0	47·7	+1·5	42·9	—1·7	44·9	—1·0	44·2	—0·8	49·7	—0·1	43·5	—0·9
1881	*42·8*	*+0·4*	*42·1*	*+0·4*	43·2	—0·5	43·5	—0·7	43·2	—0·1	45·2	—0·5	43·4	—0·3	*44·0*	*+0·1*	44·5	—0·1	47·7	+1·5	44·3	—0·3	46·8	+0·9	45·5	+0·5	49·3	—0·5	44·5	+0·1
1882	*40·6*	*—1·8*	*39·3*	*—2·4*	43·6	—0·1	43·5	—0·7	42·8	—0·5	45·5	—0·2	42·9	—0·8	*42·2*	*—1·7*	44·0	—0·6	46·5	+0·3	42·8	—1·8	44·6	—1·3	44·0	—1·0	49·3	—0·5	43·5	—0·9
1883	*41·8*	*—0·6*	*42·1*	*+0·4*	43·8	+0·1	44·2	0·0	43·8	+0·5	45·6	—0·1	43·9	+0·2	*43·9*	*0·0*	45·0	+0·4	46·9	+0·7	44·6	0·0	46·5	+0·6	45·4	+0·4	49·5	—0·3	44·7	+0·3
1884	*41·8*	*—0·6*	*41·8*	*+0·1*	43·8	+0·1	43·6	—0·6	43·3	0·0	45·3	—0·4	43·6	—0·1	*43·5*	*—0·4*	44·4	—0·2	46·2	0·0	44·1	—0·5	45·1	—0·8	44·7	—0·3	49·3	—0·5	44·2	—0·2
1885	*40·9*	*—1·5*	*40·7*	*—1·0*	42·6	—1·1	42·3	—1·9	41·9	—1·4	44·0	—1·7	42·3	—1·4	*42·5*	*—1·4*	42·7	—1·9	45·0	—1·2	43·7	—0·9	45·1	—0·8	43·8	—1·2	48·3	—1·5	43·1	—1·3
1886§	*42·0*	*—0·4*	*41·7*	*0·0*	43·6	—0·1	43·9	—0·3	43·5	+0·2	45·6	—0·1	43·8	+0·1	43·9	0·0	44·7	+0·1	46·3	+0·1	44·2	—0·4	45·8	—0·1	45·1	+0·1	49·8	0·0	44·5	+0·1
1887	39·4	—3·0	39·4	—2·3	40·3	—3·4	40·2	—4·0	39·9	—3·4	41·7	—4·0	40·3	—3·4	40·7	—3·2	41·3	—3·3	42·7	—3·5	41·3	—2·8	42·8	—3·1	41·9	—3·1	46·5	—3·3	41·1	—3·3
1888	*43·4*	*+1·0*	43·4	+1·7	44·1	+0·4	43·9	—0·3	43·8	+0·5	46·1	+0·4	44·3	+0·6	45·0	+1·1	45·3	+0·7	47·1	+0·9	45·5	+0·9	47·0	+1·1	46·0	+1·0	50·6	+0·8	45·2	+0·8
1889	*43·4*	*+1·0*	42·2	+0·5	43·1	—0·6	43·0	—1·2	42·7	—0·6	44·9	—0·8	43·2	—0·5	44·4	+0·5	44·1	—0·5	45·8	—0·4	45·0	+0·4	46·2	+0·3	45·1	+0·1	49·1	—0·7	44·2	—0·2
1890§	*42·6*	*+0·2*	41·4	—0·3	42·1	—1·6	40·5	—3·7	40·4	—2·9	42·2	—3·5	41·4	—2·3	43·2	—0·7	42·6	—2·0	44·0	—2·2	44·3	—0·3	45·6	—0·3	44·0	—1·0	47·5	—2·3	42·7	—1·7
1891	42·0	—0·4	40·8	—0·9	42·3	—1·4	43·6	—0·6	42·5	—0·8	45·6	—0·1	43·0	—0·7	43·5	—0·4	43·7	—0·9	45·9	—0·3	43·3	—1·3	44·8	—1·1	44·2	—0·8	49·4	—0·4	43·6	—0·8
1892	40·2	—2·2	39·1	—2·6	40·9	—2·8	41·5	—2·7	40·5	—2·8	43·5	—2·2	41·1	—2·6	41·5	—2·4	42·1	—2·5	44·5	—1·7	42·9	—1·7	44·6	—1·3	43·1	—1·9	48·2	—1·6	42·1	—2·3
1893	41·9	—0·5	42·0	+0·3	44·0	+0·3	43·9	—0·3	43·4	+0·1	45·3	—0·4	43·7	0·0	44·1	+0·2	45·3	+0·7	46·0	—0·2	44·0	—0·6	45·5	—0·4	45·0	0·0	49·4	—0·4	44·4	0·0
1894	44·0	+1·6	42·6	+0·9	44·7	+1·0	45·5	+1·3	45·2	+1·9	47·4	+1·7	45·1	+1·4	45·5	+1·6	46·7	+2·1	48·0	+1·8	45·6	+1·0	47·3	+1·4	46·6	+1·6	51·2	+1·4	45·9	+1·5
1895	41·2	—1·2	40·4	—1·3	43·0	—0·7	43·8	—0·4	42·9	—0·4	46·0	+0·3	43·2	—0·5	42·9	—1·0	44·2	—0·4	46·6	+0·4	43·0	—1·6	45·3	—0·6	44·4	—0·6	51·0	+1·2	43·8	—0·6
1896§	41·2	—1·2	40·5	—1·2	41·9	—1·8	41·8	—2·4	40·9	—2·4	43·5	—2·2	41·7	—2·0	42·2	—1·7	42·5	—2·1	43·3	—2·9	42·2	—2·4	43·3	—2·6	42·7	—2·3	47·5	—2·3	42·2	—2·2
1897	43·2	+0·8	42·9	+1·2	45·0	+1·3	44·4	+0·2	44·2	+0·9	47·4	+1·7	44·8	+1·1	45·8	+1·9	46·6	+2·0	48·1	+1·9	46·2	+1·6	48·4	+2·5	47·0	+2·0	51·5	+1·7	45·9	+1·5
1898	44·3	+1·9	44·2	+2·5	47·0	+3·3	47·4	+3·2	46·7	+3·4	49·3	+3·6	46·9	+3·2	46·8	+2·9	48·1	+3·5	49·5	+3·3	47·1	+2·5	48·8	+2·9	48·1	+3·1	52·7	+2·9	47·5	+3·1
1899	44·0	+1·6	42·7	+1·0	43·9	+0·2	44·0	—0·2	42·9	—0·4	46·2	+0·5	43·9	+0·2	44·7	+0·8	44·8	+0·2	47·0	+0·8	46·1	+1·5	47·6	+1·7	46·0	+1·0	51·1	+1·3	45·0	+0·6
1900	43·4	+1·0	43·2	+1·5	46·1	+2·4	46·7	+2·5	46·0	+2·7	48·3	+2·6	46·1	+2·4	45·3	+1·4	46·9	+2·3	48·2	+2·0	45·5	+0·9	47·4	+1·5	46·7	+1·7	52·2	+2·4	46·4	+2·0
1901	41·7	—0·7	41·0	—0·7	43·0	—0·7	43·5	—0·7	42·3	—1·0	45·0	—0·7	43·0	—0·7	43·2	—0·7	44·1	—0·5	45·2	—1·0	44·4	—0·2	45·5	—0·4	44·5	—0·5	49·6	—0·2	43·8	—0·6
1902§	44·0	+1·6	42·8	+1·1	44·9	+1·2	44·7	+0·5	44·1	+0·8	45·8	+0·1	44·6	+0·9	45·1	+1·2	45·3	+0·7	46·6	+0·4	45·9	+1·3	47·5	+1·6	46·2	+1·2	49·9	+0·1	45·4	+1·0
1903	41·2	—1·2	40·6	—1·1	43·0	—0·7	44·1	—0·1	42·9	—0·4	45·4	—0·3	43·2	—0·5	43·1	—0·8	43·9	—0·7	46·1	—0·1	43·9	—0·7	45·1	—0·8	44·4	—0·6	49·5	—0·3	43·8	—0·6
1904	*42·5*	*+0·1*	41·9	+0·2	43·4	—0·3	44·0	—0·2	42·6	—0·7	45·3	—0·4	43·4	—0·3	43·7	—0·2	44·1	—0·5	46·0	—0·2	45·0	+0·4	47·0	+1·1	45·2	+0·2	50·5	+0·7	44·3	—0·1
1905	*42·2*	*—0·2*	41·7	0·0	42·5	—1·2	42·4	—1·8	41·8	—1·5	43·3	—2·4	42·3	—1·4	43·3	—0·6	43·5	—1·1	43·8	—2·4	44·3	—0·3	45·0	—0·9	44·0	—1·0	48·1	—1·7	43·2	—1·2
1906	43·3	+0·9	43·3	+1·6	44·9	+1·2	46·1	+1·9	44·9	+1·6	46·8	+1·1	45·2	+1·5	44·7	+0·8	45·5	+0·9	46·5	+0·3	45·4	+0·8	46·8	+0·9	45·8	+0·8	50·5	+0·7	45·5	+1·1
1907	43·2	+0·8	42·7	+1·0	44·9	+1·2	46·6	+2·4	44·9	+1·6	47·7	+2·0	45·4	+1·7	44·5	+0·6	45·3	+0·7	46·8	+0·6	45·3	+0·7	46·0	+0·1	45·6	+0·6	51·0	+1·2	45·5	+1·1
1908§	46·3	+3·9	45·0	+3·3	46·0	+2·3	46·6	+2·4	46·1	+2·8	47·7	+2·0	46·3	+2·6	47·2	+3·3	47·2	+2·6	49·2	+3·0	48·5	+3·9	49·7	+3·8	48·4	+3·4	52·5	+2·7	47·4	+3·0
1909	40·3	—2·1	40·7	—1·0	42·8	—0·9	44·2	0·0	42·9	—0·4	44·7	—1·0	43·1	—0·6	41·7	—2·2	43·4	—1·2	45·1	—1·1	43·3	—1·3	44·4	—1·5	43·6	—1·4	48·7	—1·1	43·4	—1·0
1910	42·2	—0·2	41·8	+0·1	43·7	0·0	45·1	+0·9	43·7	+0·4	45·9	+0·2	44·0	+0·3	43·4	—0·5	44·4	—0·2	46·3	+0·1	44·8	+0·2	46·0	+0·1	45·0	0·0	49·9	+0·1	44·5	+0·1
1911	42·3	—0·1	41·6	—0·1	44·3	+0·6	45·6	+1·4	44·4	+1·1	46·7	+1·0	44·5	+0·8	43·8	—0·1	45·3	+0·7	47·0	+0·8	45·0	+0·4	46·0	+0·1	45·4	+0·4	50·2	+0·4	45·0	+0·6
1912	42·5	+0·1	42·1	+0·4	44·2	+0·5	45·3	+1·1	44·4	+1·1	46·1	+0·4	44·4	+0·7	44·3	+0·4	45·6	+1·0	46·8	+0·6	45·7	+1·1	47·1	+1·2	45·9	+0·9	50·1	+0·3	45·2	+0·8
1913§	44·8	+2·4	44·1	+2·4	45·9	+2·2	47·1	+2·9	46·0	+2·7	48·4	+2·7	46·2	+2·5	46·0	+2·1	47·3	+2·7	48·4	+2·2	46·9	+2·3	47·5	+1·6	47·1	+2·1	51·4	+1·6	46·8	+2·4
1914	42·8	+0·4	42·1	+0·4	45·0	+1·3	45·9	+1·7	44·6	+1·3	46·8	+1·1	44·8	+1·1	44·2	+0·3	45·1	+0·5	46·6	+0·4	44·8	+0·2	45·9	0·0	45·3	+0·3	50·0	+0·2	45·1	+0·7
1915	40·5	—1·9	39·4	—2·3	42·1	—1·6	43·9	—0·3	42·1	—1·2	44·8	—0·9	42·4	—1·3	41·5	—2·4	42·4	—2·2	44·8	—1·4	43·5	—1·1	44·8	—1·1	43·3	—1·7	48·7	—1·1	43·0	—1·4
1916	43·2	+0·8	41·7	0·0	43·7	0·0	43·9	—0·3	43·0	—0·3	45·5	—0·2	43·7	0·0	44·1	+0·2	44·6	0·0	45·9	—0·3	44·8	+0·2	45·9	0·0	45·0	0·0	49·3	—0·5	44·4	0·0
1917	41·2	—1·2	40·6	—1·1	42·8	—0·9	42·6	—1·6	42·4	—0·9	43·9	—1·8	42·4	—1·3	42·8	—1·1	43·9	—0·7	44·6	—1·6	44·1	—0·5	45·1	—0·8	44·1	—0·9	48·0	—1·8	43·3	—1·1
1918	42·8	+0·4	41·9	+0·2	44·4	+0·7	45·3	+1·1	44·6	+1·3	46·9	+1·2	44·6	+0·9	44·2	+0·3	45·5	+0·9	47·1	+0·9	45·5	+0·9	46·8	+0·9	45·9	+0·9	50·4	+0·6	45·3	+0·9
1919	40·1	—2·3	39·2	—2·5	41·0	—2·7	41·5	—2·7	41·4	—1·9	43·0	—2·7	41·2	—2·5	41·7	—2·2	42·6	—2·0	43·9	—2·3	43·5	—1·1	44·4	—1·5	43·2	—1·8	47·8	—2·0	42·3	—2·1
1920	44·6	+2·2	43·0	+1·5	45·0	+1·3	45·0	+0·8	44·4	+1·1	46·6	+0·9	45·0	+1·3	45·9	+2·0	46·0	+1·4	47·1	+0·9	46·9	+2·3	47·8	+1·9	46·8	+1·8	50·5	+0·7	45·9	+1·5
LUSTRA. 1881–1885 ...	*41·6*	*—0·8*	*41·2*	*—0·5*	43·4	—0·3	43·4	—0·8	43·0	—0·3	45·1	—0·6	43·2	—0·5	*43·2*	*—0·7*	44·1	—0·5	46·5	+0·3	43·9	—0·7	45·6	—0·3	44·7	—0·3	49·1	—0·7	44·0	—0·4
1886–1890 ...	*42·3*	*—0·1*	41·6	—0·1	42·6	—1·1	42·3	—1·9	42·1	—1·2	44·1	—1·6	42·6	—1·1	43·4	—0·5	43·6	—1·0	45·2	—1·0	44·2	—0·4	45·5	—0·4	44·4	—0·6	48·7	—1·1	43·5	—0·9
1891–1895 ...	41·9	—0·5	41·0	—0·7	43·0	—0·7	43·7	—0·5	42·9	—0·4	45·6	—0·1	43·2	—0·5	43·5	—0·4	44·4	—0·2	46·2	0·0	43·8	—0·8	45·5	—0·4	44·7	—0·3	49·8	0·0	44·0	—0·4
1896–1900 ...	43·2	+0·8	42·7	+1·0	44·8	+1·1	44·9	+0·7	44·1	+0·8	46·9	+1·2	44·7	+1·0	44·9	+1·0	45·8	+1·2	47·2	+1·0	45·4	+0·8	47·1	+1·2	46·1	+1·1	51·0	+1·2	45·4	+1·0
1901–1905 ...	*42·4*	*0·0*	41·7	0·0	43·4	—0·3	43·7	—0·5	42·7	—0·6	45·0	—0·7	43·3	—0·4	43·8	—0·1	44·2	—0·4	45·5	—0·7	44·7	+0·1	46·0	+0·1	44·8	—0·2	49·5	—0·3	44·1	—0·3
1906–1910 ...	43·1	+0·7	42·7	+1·0	44·5	+0·8	45·7	+1·5	44·5	+1·2	46·6	+0·9	44·8	+1·1	44·3	+0·4	45·2	+0·6	46·8	+0·6	45·5	+0·9	46·6	+0·7	45·7	+0·7	50·5	+0·7	45·3	+0·9
1911–1915 ...	42·6	+0·2	41·7	0·0	44·2	+0·5	45·5	+1·3	44·2	+0·9	46·6	+0·9	44·4	+0·7	44·1	+0·2	45·1	+0·5	46·8	+0·6	45·1	+0·5	46·2	+0·3	45·3	+0·3	50·2	+0·4	45·0	+0·6
1916–1920 ...	42·4	0·0	41·4	—0·3	43·3	—0·4	43·7	—0·5	43·2	—0·1	45·1	—0·6	43·3	—0·4	43·7	—0·2	44·6	0·0	45·7	—0·5	45·0	+0·4	46·0	+0·1	45·0	0·0	49·3	—0·5	44·2	—0·2

The maximum and minimum values in each column are shown in heavy type.

§ Quarter containing 14 weeks.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

TABLE III.—TEMPERATURE, ABSOLUTE SCALE—EXCESS OF MEAN TEMPERATURE ABOVE **200a**, AND DEVIATION FROM THE NORMAL FOR THE **35** YEARS **1881-1915.**

	EASTERN DISTRICTS.												WESTERN DISTRICTS.															
	0 SCOTLAND, N.		1 SCOTLAND, E.		2 ENGLAND, N.E.		3 ENGLAND, E.		4 MIDLAND COUNTIES.		5 ENGLAND, S.E.		DISTRICTS 1–5		6 SCOTLAND, W.		7 ENGLAND, N.W AND N. WALES.		8 S. WALES AND ENGLAND, S.W.		9 IRELAND, N.		10 IRELAND, S.		DISTRICTS 6–10		11 ENGLISH CHANNEL.		DISTRICTS 1–10	
	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.
Normal (1881–1915)	78·8	—	78·4	—	79·5	—	79·8	—	79·3	—	80·6	—	79·5	—	79·6	—	80·0	—	80·9	—	80·0	—	80·7	—	80·2	—	82·9	—	79·9	—
1878	*77·4*	*—1·4*	76·9	—1·5	77·3	—2·2	77·9	—1·9	77·8	—1·5	78·7	—1·9	77·7	—1·8	77·8	—1·8	78·3	—1·7	79·9	—1·0	78·6	—1·4	79·0	—1·7	78·7	—1·5	81·6	—1·3	78·2	—1·7
1879	*78·1*	*—0·7*	*77·6*	*—0·8*	77·6	—1·9	77·3	—2·5	77·3	—2·0	78·1	—2·5	77·6	—1·9	*78·5*	*—1·1*	78·6	—1·4	80·4	—0·5	79·1	—0·9	80·2	—0·5	79·3	—0·9	81·3	—1·6	78·4	—1·5
1880§	77·1	—1·7	*77·2*	*—1·2*	78·8	—0·7	79·4	—0·4	78·9	—0·4	80·4	—0·2	79·0	—0·5	*78·4*	*—1·2*	79·4	—0·6	81·7	+0·8	79·1	—0·9	80·2	—0·5	79·8	—0·4	82·8	—0·1	79·4	—0·5
1881	*79·0*	*+0·2*	*78·6*	*+0·2*	79·2	—0·3	79·4	—0·4	79·2	—0·1	80·3	—0·3	79·3	—0·2	*79·7*	*+0·1*	79·9	—0·1	81·7	+0·8	79·8	—0·2	81·2	+0·5	80·5	+0·3	82·6	—0·3	79·9	0·0
1882	*77·8*	*—1·0*	*77·1*	*—1·3*	79·4	—0·1	79·4	—0·4	79·0	—0·3	80·5	—0·1	79·1	—0·4	*78·7*	*—0·9*	79·7	—0·3	81·1	+0·2	79·0	—1·0	80·0	—0·7	79·7	—0·5	82·6	—0·3	79·4	—0·5
1883	*78·4*	*—0·4*	*78·6*	*+0·2*	79·6	+0·1	79·8	0·0	79·6	+0·3	80·6	0·0	79·6	+0·1	*79·6*	*0·0*	80·2	+0·2	81·3	+0·4	80·0	0·0	81·1	+0·4	80·4	+0·2	82·7	—0·2	80·1	+0·2
1884	*78·4*	*—0·4*	*78·4*	*0·0*	79·6	+0·1	79·4	—0·4	79·3	0·0	80·4	—0·2	79·4	—0·1	*79·4*	*—0·2*	79·9	—0·1	80·9	0·0	79·7	—0·3	80·1	—0·4	80·1	—0·1	82·6	—0·3	79·8	—0·1
1885	*77·9*	*—0·9*	*77·8*	*—0·6*	78·9	—0·6	78·7	—1·1	78·5	—0·8	79·7	—0·9	78·7	—0·8	*78·8*	*—0·8*	78·9	—1·1	80·2	—0·7	79·5	—0·5	80·3	—0·4	79·6	—0·6	82·1	—0·8	79·2	—0·7
1886§	*78·6*	*—0·2*	*78·4*	*0·0*	79·4	—0·1	79·6	—0·2	79·4	+0·1	80·6	0·0	79·6	+0·1	79·6	0·0	80·1	+0·1	80·9	0·0	79·8	—0·2	80·7	0·0	80·3	+0·1	82·9	0·0	79·9	0·0
1887	77·1	—1·7	77·1	—1·3	77·6	—1·9	77·6	—2·2	77·4	—1·9	78·4	—2·2	77·6	—1·9	77·3	—1·8	78·2	—1·8	78·9	—2·0	78·4	—1·6	79·0	—1·7	78·5	—1·7	81·1	—1·8	78·1	—1·8
1888	*79·3*	*+0·5*	79·3	+0·9	79·7	+0·2	79·6	—0·2	79·6	+0·3	80·8	+0·2	79·8	+0·3	80·2	+0·6	80·4	+0·4	81·4	+0·5	80·5	+0·5	81·3	+0·6	80·8	+0·6	83·3	+0·4	80·3	+0·4
1889	*79·3*	*+0·5*	78·7	+0·3	79·2	—0·3	79·1	—0·7	78·9	—0·4	80·2	—0·4	79·2	—0·3	79·9	+0·3	79·7	—0·3	80·7	—0·2	80·2	+0·2	80·9	+0·2	80·3	+0·1	82·5	—0·4	79·8	—0·1
1890§	*78·9*	*+0·1*	78·2	—0·2	78·6	—0·9	77·7	—2·1	77·7	—1·6	78·7	—1·9	78·2	—1·3	79·2	—0·4	78·9	—1·1	79·7	—1·2	79·8	—0·2	80·6	—0·1	79·7	—0·5	81·6	—1·3	78·9	—1·0
1891	78·6	—0·2	77·9	—0·5	78·7	—0·8	79·4	—0·4	78·8	—0·5	80·6	0·0	79·1	—0·4	79·4	—0·2	79·5	—0·5	80·7	—0·2	79·3	—0·7	80·1	—0·6	79·8	—0·4	82·7	—0·2	79·4	—0·5
1892	77·6	—1·2	76·9	—1·5	77·9	—1·6	78·3	—1·5	77·7	—1·6	79·4	—1·2	78·1	—1·4	78·3	—1·3	78·6	—1·4	79·9	—1·0	79·1	—0·9	80·0	—0·7	79·2	—1·0	82·0	—0·9	78·6	—1·3
1893	78·5	—0·3	78·6	+0·2	79·7	+0·2	79·6	—0·2	79·3	0·0	80·4	—0·2	79·5	0·0	79·7	+0·1	80·4	+0·4	80·8	—0·1	79·7	—0·3	80·5	—0·2	80·2	0·0	82·7	—0·2	79·9	0·0
1894	79·7	+0·9	78·9	+0·5	80·1	+0·6	80·5	+0·7	80·3	+1·0	81·6	+1·0	80·3	+0·8	80·5	+0·9	81·2	+1·2	81·9	+1·0	80·6	+0·6	81·5	+0·8	81·1	+0·9	83·7	+0·8	80·7	+0·8
1895	78·1	—0·7	77·7	—0·7	79·1	—0·4	79·6	—0·2	79·1	—0·2	80·8	+0·2	79·2	—0·3	79·1	—0·5	79·8	—0·2	81·1	+0·2	79·1	—0·9	80·4	—0·3	79·9	—0·3	83·6	+0·7	79·6	—0·3
1896§	78·1	—0·7	77·7	—0·7	78·5	—1·0	78·4	—1·4	77·9	—1·4	79·4	—1·2	78·4	—1·1	78·7	—0·9	78·8	—1·2	79·3	—1·6	78·7	—1·3	79·3	—1·4	78·9	—1·3	81·6	—1·3	78·7	—1·2
1897	79·2	+0·4	79·1	+0·7	80·2	+0·7	79·9	+0·1	79·8	+0·5	81·6	+1·0	80·1	+0·6	80·7	+1·1	81·1	+1·1	81·9	+1·0	80·9	+0·9	82·1	+1·4	81·3	+1·1	83·8	+0·9	80·7	+0·8
1898	79·8	+1·0	79·8	+1·4	81·3	+1·8	81·6	+1·8	81·2	+1·9	82·6	+2·0	81·3	+1·8	81·2	+1·6	81·9	+1·9	82·7	+1·8	81·4	+1·4	82·3	+1·6	81·9	+1·7	84·5	+1·6	81·6	+1·7
1899	79·7	+0·9	78·9	+0·5	79·6	+0·1	79·7	—0·1	79·1	—0·2	80·9	+0·3	79·6	+0·1	80·1	+0·5	80·1	+0·1	81·3	+0·4	80·8	+0·8	81·7	+1·0	80·8	+0·6	83·6	+0·7	80·2	+0·3
1900	79·3	+0·5	79·2	+0·8	80·8	+1·3	81·2	+1·4	80·8	+1·5	82·1	+1·5	80·8	+1·3	80·4	+0·8	81·3	+1·3	82·0	+1·1	80·5	+0·5	81·6	+0·9	81·2	+1·0	84·2	+1·3	81·0	+1·1
1901	78·4	—0·4	78·0	—0·4	79·1	—0·4	79·4	—0·4	78·7	—0·6	80·2	—0·4	79·1	—0·4	79·2	—0·4	79·7	—0·3	80·3	—0·6	79·9	—0·1	80·5	—0·2	79·9	—0·3	82·8	—0·1	79·6	—0·3
1902§	79·7	+0·9	79·0	+0·6	80·2	+0·7	80·1	+0·3	79·7	+0·4	80·7	+0·1	80·0	+0·5	80·3	+0·7	80·4	+0·4	81·1	+0·2	80·7	+0·7	81·6	+0·9	80·9	+0·7	82·9	0·0	80·4	+0·5
1903	78·1	—0·7	77·8	—0·6	79·1	—0·4	79·7	—0·1	79·1	—0·2	80·4	—0·2	79·2	—0·3	79·2	—0·4	79·6	—0·4	80·8	—0·1	79·6	—0·4	80·3	—0·4	79·9	—0·3	82·7	—0·2	79·6	—0·3
1904	*78·8*	*0·0*	78·5	+0·1	79·3	—0·2	79·7	—0·1	78·9	—0·4	80·4	—0·2	79·3	—0·2	79·5	—0·1	79·7	—0·3	80·8	—0·1	80·2	+0·2	81·3	+0·6	80·3	+0·1	83·3	+0·4	79·8	—0·1
1905	*78·7*	*—0·1*	78·4	0·0	78·8	—0·7	78·8	—1·0	78·4	—0·9	79·3	—1·3	78·7	—0·8	79·3	—0·3	79·4	—0·6	79·6	—1·3	79·8	—0·2	80·2	—0·5	79·7	—0·5	81·9	—1·0	79·2	—0·7
1906	79·3	+0·5	79·3	+0·9	80·2	+0·7	80·8	+1·0	80·2	+0·9	81·2	+0·6	80·3	+0·8	80·1	+0·5	80·5	+0·5	81·1	+0·2	80·4	+0·4	81·2	+0·5	80·7	+0·5	83·3	+0·4	80·5	+0·6
1907	79·2	+0·4	78·9	+0·5	80·2	+0·7	81·1	+1·3	80·2	+0·9	81·7	+1·1	80·4	+0·9	79·9	+0·3	80·4	+0·4	81·2	+0·3	80·4	+0·4	80·8	+0·1	80·6	+0·4	83·6	+0·7	80·5	+0·6
1908§	80·9	+2·1	80·2	+1·8	80·8	+1·3	81·1	+1·3	80·8	+1·5	81·7	+1·1	80·9	+1·4	81·4	+1·4	82·6	+1·7	82·2	+2·2	82·8	+2·1	82·1	+1·9	84·4	+1·5	81·6	+1·7
1909	77·6	—1·2	77·8	—0·6	79·0	—0·5	79·8	0·0	79·1	—0·2	80·1	—0·5	79·2	—0·3	78·4	—1·2	79·3	—0·7	80·3	—0·6	79·3	—0·7	79·9	—0·8	79·4	—0·8	82·3	—0·6	79·3	—0·6
1910	78·7	—0·1	78·4	0·0	79·5	0·0	80·3	+0·5	79·5	+0·2	80·7	+0·1	79·7	+0·2	79·3	—0·3	79·9	—0·1	80·9	0·0	80·1	+0·1	80·8	+0·1	80·2	0·0	82·9	0·0	79·9	0·0
1911	78·7	—0·1	78·3	—0·1	79·8	+0·3	80·6	+0·8	79·9	+0·6	81·2	+0·6	79·9	+0·4	79·6	0·0	80·4	+0·4	81·3	+0·4	80·2	+0·2	80·8	+0·1	80·4	+0·2	83·1	+0·2	80·2	+0·3
1912	78·8	0·0	78·6	+0·2	79·8	+0·3	80·4	+0·6	79·9	+0·6	80·8	+0·2	79·9	+0·4	79·8	+0·2	80·6	+0·6	81·2	+0·3	80·6	+0·6	81·4	+0·7	80·7	+0·5	83·1	+0·2	80·3	+0·4
1913§	80·1	+1·3	79·7	+1·3	80·7	+1·2	81·4	+1·6	80·8	+1·5	82·1	+1·5	80·9	+1·4	80·8	+1·2	81·5	+1·5	82·1	+1·2	81·3	+1·3	81·6	+0·9	81·4	+1·2	83·8	+0·9	81·2	+1·3
1914	79·0	+0·2	78·6	+0·2	80·2	+0·7	80·7	+0·9	80·0	+0·7	81·2	+0·6	80·1	+0·6	79·8	+0·2	80·3	+0·3	81·1	+0·2	80·1	+0·1	80·7	0·0	80·4	+0·2	83·0	+0·1	80·3	+0·4
1915	77·7	—1·1	77·1	—1·3	78·6	—0·9	79·6	—0·2	78·6	—0·7	80·1	—0·5	78·8	—0·7	78·3	—1·3	78·8	—1·2	80·1	—0·8	79·4	—0·6	80·1	—0·6	79·3	—0·9	82·3	—0·6	79·1	—0·8
1916	79·2	+0·4	78·4	0·0	79·5	0·0	79·6	—0·2	79·1	—0·2	80·5	—0·1	79·5	0·0	79·7	+0·1	80·0	0·0	80·7	—0·2	80·1	+0·1	80·7	0·0	80·2	0·0	82·6	—0·3	79·9	0·0
1917	78·1	—0·7	77·8	—0·6	79·0	—0·5	78·9	—0·9	78·8	—0·5	79·6	—1·0	78·8	—0·7	79·0	—0·6	79·6	—0·4	80·0	—0·9	79·7	—0·3	80·3	—0·4	79·7	—0·5	81·9	—1·0	79·3	—0·6
1918	79·0	+0·2	78·5	+0·1	79·9	+0·4	80·4	+0·6	80·0	+0·7	81·3	+0·7	80·0	+0·5	79·8	+0·2	80·5	+0·5	81·4	+0·5	80·5	+0·5	81·2	+0·5	80·7	+0·5	83·2	+0·3	80·4	+0·5
1919	77·5	—1·3	77·0	—1·4	78·0	—1·5	78·3	—1·5	78·2	—1·1	79·1	—1·5	78·1	—1·4	78·4	—1·2	78·9	—1·1	79·6	—1·3	79·4	+0·6	79·9	—0·8	79·2	—1·0	81·8	—1·1	78·7	—1·2
1920	80·0	+1·2	79·1	+0·8	80·2	+0·7	80·2	+0·4	79·9	+0·6	81·1	+0·5	80·2	+0·7	80·7	+1·1	80·8	+0·8	81·4	+0·5	81·3	+1·3	81·8	+1·1	81·2	+1·0	83·3	+0·4	80·7	+0·8
LUSTRA 1881–1885 ...	*78·3*	*—0·5*	*78·1*	*—0·3*	79·3	—0·2	79·3	—0·5	79·1	—0·2	80·3	—0·3	79·2	—0·3	*79·2*	*—0·4*	79·7	—0·3	81·1	+0·2	79·6	—0·4	80·6	—0·1	80·1	—0·1	82·5	—0·4	79·7	—0·2
1886–1890 ...	*78·7*	*—0·1*	78·3	—0·1	78·9	—0·6	78·7	—1·1	78·6	—0·7	79·7	—0·9	78·9	—0·6	79·3	—0·3	79·4	—0·6	80·3	—0·6	79·8	—0·2	80·5	—0·2	79·9	—0·3	82·3	—0·6	79·4	—0·5
1891–1895 ...	78·5	—0·3	78·0	—0·4	79·1	—0·4	79·5	—0·3	79·1	—0·2	80·6	0·0	79·2	—0·3	79·4	—0·2	79·9	—0·1	80·9	0·0	79·6	—0·4	80·5	—0·2	80·1	—0·1	82·9	0·0	79·7	—0·2
1896–1900 ...	79·2	+0·4	78·9	+0·5	80·1	+0·6	80·2	+0·4	79·7	+0·4	81·3	+0·7	80·1	+0·6	80·2	+0·6	80·7	+0·7	81·4	+0·5	80·4	+0·4	81·4	+0·7	80·8	+0·6	83·6	+0·7	80·4	+0·5
1901–1905 ...	*78·8*	*0·0*	78·4	0·0	79·3	—0·2	79·5	—0·3	78·9	—0·4	80·2	—0·4	79·3	—0·2	79·6	0·0	79·8	—0·2	80·5	—0·4	80·1	+0·1	80·8	+0·1	80·1	—0·1	82·7	—0·2	79·7	—0·2
1906–1910 ...	79·2	+0·4	78·9	+0·5	79·9	+0·4	80·6	+0·8	79·9	+0·6	81·1	+0·5	80·1	+0·6	79·8	+0·2	80·3	+0·3	81·2	+0·3	80·3	+0·3	80·9	+0·2	80·4	+0·2	83·1	+0·2	80·2	+0·3
1911–1915 ...	78·9	+0·1	78·4	0·0	79·8	+0·3	80·5	+0·7	79·8	+0·5	81·1	+0·5	79·9	+0·4	79·7	+0·1	80·3	+0·3	81·2	+0·3	80·3	+0·2	80·8	+0·1	80·2	0·0	82·6	—0·3	79·8	—0·1
1916–1920 ...	78·8	0·0	78·2	—0·2	79·3	—0·2	79·5	—0·3	79·2	—0·1	80·3	—0·3	79·3	—0·2	79·5	—0·1	80·0	0·0	80·6	—0·3	80·2	+0·2	80·8	+0·1						

The maximum and minimum values in each column are shown in heavy type.

§ Quarter containing 14 weeks.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

TABLE IV.—SUNSHINE—DURATION IN THOUSAND HOURS, DAILY MEANS AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS 1881-1915

YEARS.	0 SCOTLAND, N.			EASTERN DISTRICTS. 1 SCOTLAND, E.			2 ENGLAND, N.E.			3 ENGLAND, E.			4 MIDLAND COUNTIES.			5 ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			WESTERN DISTRICTS. 6 SCOTLAND, W.			7 ENGLAND, N.W AND N. WALES.			8 S. WALES AND ENGLAND, S.W.			9 IRELAND, N.			10 IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11 ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED.		
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per Cent. of Normal.
Normal (1881–1915)	·13	1·5	—	·17	1·9	—	·19	2·0	—	·21	2·3	—	·18	2·0	—	·21	2·3	—	·19	2·1	—	·16	1·8	—	·17	1·9	—	·21	2·3	—	·18	2·0	—	·21	2·3	—	·19	2·1	—	·25	2·8	—	·19	2·1	—
1881	*·14*	*1·5*	*108*	*·17*	*1·9*	*100*	*·21*	*2·3*	*111*	·21	2·3	100	·22	2·4	122	*·21*	*2·3*	*100*	·20	2·2	105	·16	1·8	100	·16	1·8	94	*·23*	*2·5*	*109*	·23	2·5	128	·23	2·5	110	·20	2·2	105	·29	3·2	116	·20	2·2	105
1882	*·14*	*1·5*	*108*	*·14*	*1·5*	*82*	*·15*	*1·7*	*79*	·17	1·9	81	·16	1·8	89	*·21*	*2·3*	*100*	·17	1·9	90	·13	1·4	81	·13	1·4	76	*·18*	*2·0*	*86*	·18	2·0	100	·21	2·3	100	·17	1·9	89	·20	2·2	80	·17	1·9	89
1883	·17	1·9	131	·23	2·5	135	*·22*	*2·4*	*116*	·20	2·2	95	·19	2·1	106	·19	2·1	90	·21	2·3	110	·19	2·1	119	·16	1·8	94	*·19*	*2·1*	*90*	·17	1·9	94	·21	2·3	100	·18	2·0	95	·20	2·2	80	·20	2·2	105
1884	*·11*	*1·2*	*85*	*·16*	*1·8*	*94*	*·16*	*1·8*	*84*	·17	1·9	81	·15	1·7	83	·16	1·8	76	·16	1·8	84	·15	1·7	94	·14	1·5	82	·15	1·7	71	·14	1·5	78	·18	2·0	86	·15	1·7	79	·24	2·6	96	·16	1·8	84
1885	*·14*	*1·5*	*108*	*·20*	*2·2*	*118*	·14	1·5	74	·20	2·2	95	·16	1·8	89	·18	2·0	86	·18	2·0	95	·17	1·9	106	·15	1·7	88	*·21*	*2·3*	*100*	·19	2·1	100	·21	2·3	84	·19	2·1	100						
1886§	*·16*	*1·8*	*123*	*·16*	*1·8*	*94*	*·23*	*2·5*	*121*	·22	2·4	105	·17	1·9	94	·21	2·3	100	·20	2·2	105	·19	2·1	119	·18	2·0	106	*·19*	*2·1*	*90*	·17	1·9	94	·19	2·1	90	·18	2·0	95	·26	2·9	104	·19	2·1	100
1887	*·09*	*1·0*	*69*	·15	1·7	88	*·18*	*2·0*	*95*	·21	2·3	100	·19	2·1	106	·20	2·2	95	·19	2·1	100	·16	1·8	100	·15	1·7	88	*·23*	*2·5*	*110*	·15	1·7	83	·21	2·3	100	·18	2·0	95	·27	3·0	108	·19	2·1	100
1888	*·09*	*1·0*	*69*	·11	1·2	65	*·19*	*2·1*	*100*	·20	2·2	95	·18	2·0	100	·19	2·1	90	·17	1·9	90	·12	1·3	75	·13	1·4	76	*·19*	*2·1*	*90*	·16	1·8	89	·18	2·0	86	·16	1·8	84	·28	3·1	112	·17	1·9	89
1889	·11	1·2	85	·14	1·5	82	*·14*	*1·5*	*74*	·19	2·1	90	·16	1·8	89	·16	1·8	76	·16	1·8	84	·14	1·5	88	·13	1·4	76	*·17*	*1·9*	*81*	·16	1·8	89	·19	2·1	90	·16	1·8	84	·22	2·4	88	·16	1·8	84
1890§	·12	1·3	92	*·16*	*1·8*	*94*	*·18*	*2·0*	*95*	·21	2·3	100	·19	2·1	106	·21	2·3	100	·19	2·1	100	·14	1·5	88	·15	1·7	88	*·20*	*2·2*	*95*	·17	1·9	94	·20	2·2	95	·17	1·9	89	·27	3·0	108	·18	2·0	95
1891	*·14*	*1·5*	*108*	*·20*	*2·2*	*118*	*·17*	*1·9*	*89*	·21	2·3	100	·20	2·2	111	·23	2·5	110	·20	2·2	105	·18	2·0	112	·16	1·8	94	*·22*	*2·4*	*105*	·22	2·4	122	·25	2·7	119	·21	2·3	110	·34	3·7	136	·21	2·3	110
1892	*·11*	*1·2*	*85*	*·16*	*1·8*	*94*	*·18*	*2·0*	*95*	·17	1·9	81	·20	2·2	111	·21	2·3	100	·18	2·0	95	·17	1·9	106	·19	2·1	112	*·23*	*2·5*	*109*	·19	2·1	106	·23	2·5	110	·20	2·2	105	·23	2·5	92	·19	2·1	100
1893	·08	0·9	61	*·19*	*2·1*	*112*	·25	2·7	132	·25	2·7	119	·21	2·3	117	·24	2·6	114	·23	2·5	121	·19	2·1	119	·16	1·8	94	*·23*	*2·5*	*109*	·21	2·3	117	·22	2·4	105	·20	2·2	105	·23	3·1	112	·22	2·4	116
1894	*·13*	*1·4*	*100*	*·17*	*1·9*	*100*	*·16*	*1·8*	*84*	·19	2·1	90	·16	1·8	89	·22	2·4	105	·18	2·0	95	·15	1·7	94	*·15*	*1·7*	*88*	*·21*	*2·3*	*100*	·18	2·0	100	·21	2·3	100	·18	2·0	95	·25	2·7	100	·18	2·0	95
1895	·17	1·9	131	*·20*	*2·2*	*118*	*·22*	*2·4*	*116*	·20	2·2	95	·18	2·0	100	·21	2·3	100	·20	2·2	105	·19	2·1	119	*·16*	*1·8*	*94*	*·20*	*2·2*	*95*	·23	2·5	128	·26	2·9	124	·21	2·3	110	·25	2·7	100	·21	2·3	111
1896§	*·11*	*1·2*	*85*	*·15*	*1·7*	*88*	*·20*	*2·2*	*105*	·21	2·3	100	·20	2·2	111	·24	2·6	114	·20	2·2	105	·18	2·0	112	·16	1·8	94	*·24*	*2·6*	*114*	·21	2·3	117	·23	2·5	110	·20	2·2	105	·24	2·6	96	·20	2·2	105
1897	*·16*	*1·8*	*123*	*·18*	*2·0*	*106*	*·18*	*2·0*	*95*	·21	2·3	100	·19	2·1	106	·26	2·9	124	·20	2·2	105	·17	1·9	106	·20	2·2	118	*·20*	*2·2*	*95*	·18	2·0	100	·25	2·7	119	·20	2·2	105	·27	3·0	108	·20	2·2	105
1898	·17	1·9	131	*·15*	*1·7*	*88*	*·16*	*1·8*	*84*	·23	2·5	110	·14	1·5	78	·19	2·1	90	·17	1·9	90	·14	1·5	88	·16	1·8	94	*·20*	*2·3*	*95*	·16	1·8	89	·21	2·3	100	·17	1·9	90	·25	2·7	100	·17	1·9	90
1899	·11	1·2	85	*·17*	*1·9*	*100*	*·21*	*2·3*	*111*	·25	2·7	119	·20	2·2	111	·26	2·9	124	·22	2·4	116	·15	1·7	94	·22	2·4	129	*·22*	*2·4*	*105*	·19	2·1	106	·24	2·6	114	·20	2·2	105	·28	3·1	112	·21	2·3	111
1900	·13	1·4	100	*·15*	*1·7*	*88*	*·16*	*1·8*	*84*	·24	2·6	114	·19	2·1	106	·22	2·4	105	19	2·1	100	·15	1·7	94	·17	1·9	100	*·22*	*2·4*	*105*	·17	1·9	94	·20	2·2	95	·18	2·0	95	·23	2·5	92	·19	2·1	100
1901	·15	1·7	115	·19	2·1	112	*·22*	*2·4*	*116*	·27	3·0	129	·18	2·0	100	*·26*	*2·9*	*124*	·22	2·4	116	·17	1·9	106	·20	2·2	118	*·21*	*2·3*	*100*	·21	2·3	117	·22	2·4	105	·20	2·2	105	·27	2·0	108	·21	2·3	111
1902§	·16	1·8	123	·15	1·7	88	*·16*	*1·8*	*84*	·19	2·1	90	·15	1·7	83	*·17*	*1·9*	*81*	·16	1·8	84	·13	1·4	81	·17	1·9	100	*·18*	*2·0*	*86*	·17	1·9	94	·17	1·9	81	·16	1·8	84	·22	2·4	88	·16	1·8	84
1903	·10	1·1	77	·12	1·3	71	·16	1·8	84	·15	1·7	71	·14	1·5	78	·16	1·8	76	·15	1·7	79	·13	1·4	81	·15	1·7	88	*·18*	*2·0*	*86*	·15	1·7	88	·16	1·8	89	·20	2·2	80	·16	1·8	84	·20	2·2	80	·16	1·8	84
1904	·13	1·4	100	·21	2·3	124	·22	2·4	116	*·22*	*2·4*	*105*	·17	1·9	94	·20	2·2	95	·20	2·2	105	·17	1·9	106	·19	2·1	112	·18	2·0	86	·15	1·7	83	·17	1·9	81	·17	1·9	89	·24	2·6	96	·19	2·1	100
1905	·13	1·4	100	·19	2·1	112	·21	2·3	111	·21	2·3	100	·19	2·1	106	·22	2·4	105	·20	2·2	105	·20	2·2	125	·20	2·2	118	·26	2·9	124	·19	2·1	106	·22	2·4	105	·21	2·3	111	·26	2·9	104	·21	2·3	111
1906	·12	1·3	92	·17	1·9	100	·18	2·0	95	·22	2·4	105	·17	1·9	94	·23	2·5	110	·19	2·1	100	·15	1·7	94	·17	1·9	100	·22	2·4	105	·18	2·0	100	·20	2·2	95	·18	2·0	95	·24	2·6	96	·19	2·1	100
1907	·15	1·7	115	·17	1·9	100	·18	2·0	95	·19	2·1	90	·18	2·0	100	·21	2·3	100	·19	2·1	100	·14	1·5	88	·18	2·0	106	·20	2·2	95	·18	2·0	100	·18	2·0	86	·18	2·0	95	·26	2·9	104	·19	2·1	100
1908§	·12	1·4	100	·18	2·0	106	·20	2·2	105	·22	2·4	105	·19	2·1	106	·25	2·7	119	·20	2·2	105	·13	1·4	81	·23	2·5	135	·24	2·6	114	·19	2·1	106	·18	2·0	86	·20	2·2	105	·31	3·4	124	·20	2·2	105
1909	·16	1·8	123	·22	2·4	129	·21	2·3	111	·22	2·4	105	·20	2·2	111	·25	2·7	119	·22	2·4	116	*·20*	*2·2*	*125*	·21	2·3	123	·25	2·7	119	·22	2·4	122	*·26*	*2·9*	*124*	·23	2·5	121	·24	2·6	96	·22	2·4	116
1910	·15	1·7	115	·19	2·1	112	·20	2·2	105	·18	2·0	86	·16	1·8	89	·20	2·2	95	·19	2·1	100	·16	1·8	100	·18	2·0	106	·19	2·1	90	·19	2·1	106	·19	2·1	90	·18	2·0	95	·23	2·5	92	·18	2·0	95
1911	·14	1·5	108	·17	1·9	100	·19	2·1	100	·20	2·2	95	·19	2·1	106	·21	2·3	100	·19	2·1	100	·17	1·9	106	·20	2·2	118	·23	2·5	109	·19	2·1	106	·21	2·3	100	·20	2·2	105	·23	2·5	92	·20	2·2	105
1912	·11	1·2	85	·17	1·9	100	·18	2·0	95	·20	2·2	95	·18	2·0	100	·24	2·6	114	·19	2·1	100	·14	1·5	88	·18	2·0	106	·22	2·4	105	·17	1·9	94	·22	2·4	105	·19	2·1	100	·25	2·7	100	·20	2·2	105
1913§	·14	1·5	108	·20	2·2	118	·21	2·3	111	·25	2·7	119	·19	2·1	106	·24	2·6	114	·21	2·3	110	·17	1·9	106	·19	2·1	112	·21	2·3	100	·18	2·0	100	·19	2·1	90	·19	2·1	100	·25	2·7	100	·20	2·2	105
1914	·12	1·3	92	·16	1·8	94	·17	1·9	89	·18	2·0	86	·16	1·8	89	·21	2·3	100	·18	2·0	95	·14	1·6	88	·17	1·9	100	·21	2·4	100	·17	1·9	94	·22	2·4	105	·18	2·0	95	·24	2·6	96	·18	2·0	95
1915	·16	1·8	123	·17	1·9	100	·17	1·9	89	·18	2·0	86	·14	1·6	78	·19	2·1	90	·17	1·9	90	·16	1·8	100	·20	2·2	118	·22	2·4	105	·18	2·0	100	·22	2·4	105	·20	2·2	105	·23	2·5	92	·18	2·0	95
1916	·10	1·1	77	·15	1·7	88	·16	1·8	84	·18	2·0	86	·16	1·8	89	·18	2·0	86	·16	1·8	484	·13	1·4	81	·15	1·7	88	·18	2·0	86	·14	1·5	78	·15	1·7	71	·15	1·7	79	·23	2·5	92	·15	1·7	79
1917	·10	1·1	77	·20	2·2	118	·23	2·5	121	·27	3·0	129	·21	2·3	117	·25	2·8	119	·23	2·6	121	·16	1·8	100	·16	1·8	94	·21	2·3	100	·15	1·7	83	·18	2·0	86	·17	1·9	89	·21	2·3	84	·20	2·2	105
1918	·13	1·5	100	·18	2·0	106	·16	1·8	84	·17	1·9	81	·16	1·8	89	·19	2·1	90	·17	1·9	90	·15	1·7	94	·17	1·9	100	·21	2·3	100	·19	2·1	106	·19	2·1	91	·18	2·0	95	·24	2·6	96	·18	2·0	95
1919	·13	1·5	100	·19	2·1	112	·21	2·3	111	·22	2·4	105	·20	2·2	111	·22	2·5	105	·21	2·3	110	*·20*	*2·2*	*125*	·19	2·1	112	·25	2·8	119	·21	2·3	117	·25	2·7	119	·22	2·4	116	·26	2·9	104	·22	2·4	116
1920	·12	1·3	92	·20	2·2	118	·19	2·1	100	·28	3·1	133	·15	1·7	83	·24	2·7	114	·21	2·4	110	·13	1·4	81	·22	2·4	129	·22	2·4	105	·17	1·9	94	·19	2·1	90	·18	2·0	95	·26	2·9	104	·20	2·2	105
LUSTRA. 1881–1885	·14	1·5	108	·18	2·0	106	·18	1·9	95	·19	2·1	90	·18	2·0	100	·19	2·1	90	·18	2·0	95	·16	1·8	100	·15	1·6	88	·19	2·1	90	·18	2·0	100	·21	2·3	100	·18	2·0	95	·23	2·5	92	·18	2·0	95
1886–1890	·11	1·2	85	·14	1·6	82	·18	2·0	95	·21	2·3	100	·18	2·0	100	·19	2·1	90	·18	2·0	95	·15	1·6	94	·15	1·6	88	·20	2·2	95	·16	1·8	89	·19	2·1	90	·17	1·9	89	·26	2·9	104	·18	2·0	95
1891–1895	·13	1·4	100	·18	2·0	106	·20	2·2	105	·20	2·2	95	·19	2·1	106	·22	2·4	105	·20	2·2	105	·18	2·0	112	·16	1·8	94	·22	2·4	105	·21	2·3	117	·23	2·6	110	·20	2·2	105	·27	2·9	108	·20	2·2	105
1896–1900	·14	1·5	108	·16	1·8	94	·18	2·0	95	·23	2·5	110	·18	2·0	100	·23	2·6	110	·20	2·2	105	·16	1·8	100	·18	2·0	106	·22	2·4	105	·18	2·0	100	·23	2·5	110	·19	2·1	100	·25	2·8	100	·19	2·1	100
1901 1905	·13	1·5	100	·17	1·9	100	·19	2·1	100	·21	2·3	100	·17	1·8	94	·20	2·2	95	·19	2·1	100	·16	1·8	100	·18	2·0	106	·20	2·2	95	·18	2·0	100	·20	2·2	95	·18	2·0	95	·24	2·6	96	·19	2·1	100
1906–1910	·14	1·6	108	·19	2·1	112	·19	2·1	100	·21	2·3	100	·18	2·0	100	·23	2·5	110	·20	2·2	105	·16	1·7	100	·19	2·1	112	·22	2·4	105	·19	2·1	106	·20	2·2	95	·19	2·1	100	·26	2·9	104	·20	2·2	105
1911–1915	·13	1·5	100	·17	1·9	100	·18	2·0	95	·20	2·2	95	·17	1·9	94	·22	2·4	105	·19	2·1	100	·16	1·7	100	·19	2·1	112	·22	2·4	105	·18	2·0	100	·21	2·3	100	·19	2·1	100	·24	2·6	96	·19	2·1	100
1916–1920	·12	1·3	92	·18	2·0	106	·19	2·1	100	·22	2·5	105	·18	2·0	100	·22	2·4	105	·20	2·2	105	·15	1·7	94	·18	2·0	106	·21	2·4	100	·17	1·9	94	·19	2·1	90	·18	2·0	95	·24	2·6	96	·19	2·1	100

§ Quarter containing 14 weeks. Totals Adjusted.

The maximum and minimum values in each column are shown in heavy type.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., DIRECTOR.

27th July, 1923.

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WEEKLY WEATHER REPORT, 1920. Appendix I. (Whole Year.) Price 6d.

DISTRICT VALUES OF RAINFALL, MEAN TEMPERATURE AND SUNSHINE, IN THE YEARS, 1878-1920.

TABLE I.—RAINFALL.—NUMBER OF RAIN-DAYS, AMOUNTS OF RAINFALL AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS, 1881-1915.

YEARS.	0 SCOTLAND, N.			EASTERN DISTRICTS. 1 SCOTLAND, E.			2 ENGLAND, N.E.			3 ENGLAND, E.			4 MIDLAND COUNTIES.			5 ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			WESTERN DISTRICTS. 6 SCOTLAND, W.			7 ENGLAND, N.W AND N. WALES.			8 S. WALES AND ENGLAND, S.W.			9 IRELAND, N.			10 IRELAND, S.			MEANS FOR WESTERN DISTRICTS.			11 ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED.		
	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.	Days.	Amount.	Per cent. of normal.
		mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.			mm.		
Normal (1881–1915)	247	1311	—	204	789	—	186	629	—	181	605	—	178	677	—	173	704	—	184	682	—	213	1205	—	199	894	—	199	996	—	233	968	—	215	1020	—	211	1016	—	208	837	—	198	849	—
1878	235	*1087*	*83*	178	*851*	*108*	195	795	126	211	711	118	193	765	113	181	742	105	192	772	113	187	*1120*	*93*	202	899	101	207	1021	103	229	945	98	218	1021	100	209	1001	99	243	1031	123	201	886	104
1879	217	914	70	198	*950*	*120*	203	660	105	227	775	128	199	754	112	197	818	116	205	792	116	199	*1087*	*90*	195	866	97	207	1011	102	228	942	97	219	1001	98	210	980	96	228	894	107	208	886	104
1880	206	*1065*	*81*	180	*827*	*105*	177	753	120	188	691	114	173	840	124	172	807	115	178	780	115	194	*1044*	*87*	176	908	102	185	908	91	212	882	91	194	1019	100	192	949	93	219	917	110	185	864	102
1881	222	*1138*	*87*	199	*940*	*119*	197	716	114	193	655	108	177	704	104	171	726	103	187	749	110	206	*1209*	*100*	190	1019	114	195	998	100	234	937	97	209	1034	101	207	1039	102	208	861	103	197	894	105
1882	254	*1275*	*97*	223	*1026*	*130*	207	772	123	197	752	124	210	927	137	197	798	113	207	856	126	233	*1372*	*114*	222	1095	122	235	1280	129	253	1057	109	240	1166	114	237	1194	118	239	1003	120	222	1026	121
1883	247	*1270*	*97*	197	*833*	*106*	196	658	105	199	706	117	190	782	116	183	673	96	193	732	107	221	*1351*	*112*	197	899	101	217	978	98	247	1016	105	218	1151	113	220	1080	106	230	876	105	207	907	107
1884	235	*1382*	*105*	191	*744*	*94*	162	505	80	163	531	88	166	569	84	165	592	84	169	589	86	215	*1359*	*113*	188	838	94	203	912	92	235	1052	109	207	937	92	210	1019	100	215	759	91	190	805	95
1885	246	*1179*	*90*	182	*688*	*87*	180	589	94	182	663	110	185	696	103	171	696	99	180	665	98	203	*1133*	*94*	191	795	89	205	998	100	212	846	87	209	1006	99	204	955	94	219	792	95	192	810	95
1886§	258	*1288*	*98*	200	*790*	*100*	195	728	116	189	623	103	198	825	122	191	820	117	195	755	111	214	1199	99	210	1071	120	214	1159	116	230	1066	110	223	1153	113	218	1129	111	246	961	115	207	942	111
1887	241	*1158*	*88*	183	620	79	174	523	83	166	462	76	148	488	72	150	546	78	164	528	78	181	991	82	163	632	71	159	719	72	188	820	85	159	724	71	170	777	76	181	665	80	167	653	77
1888	242	*1214*	*93*	208	772	98	187	650	103	188	589	97	175	681	101	184	724	103	188	683	100	200	1181	98	200	790	88	208	975	98	217	937	97	197	1013	99	204	980	96	228	810	97	196	833	98
1889	245	*1171*	*89*	197	660	84	182	612	97	189	640	106	175	681	101	175	650	92	184	648	95	211	1077	89	197	823	92	197	912	92	232	978	101	210	955	94	209	950	93	210	767	92	197	800	94
1890§	259	*1503*	*115*	218	820	104	189	623	99	181	539	89	179	548	81	177	633	90	188	633	93	220	1315	109	206	872	98	214	950	95	241	967	100	225	1032	101	221	1026	101	212	825	99	205	830	98
1891	242	1341	102	184	785	100	181	625	99	197	650	107	192	765	113	190	843	120	189	734	108	205	1267	105	186	973	109	200	1146	115	225	897	93	204	1054	103	204	1067	105	201	932	111	197	902	106
1892	253	1265	97	201	716	91	197	650	103	180	658	109	176	587	87	160	620	88	183	645	95	206	1181	98	205	945	106	192	790	79	232	965	100	203	1019	100	208	980	96	195	742	89	196	813	96
1893	252	1471	112	199	693	88	173	518	82	171	508	84	164	528	78	162	597	85	174	569	83	205	1092	91	191	798	89	173	856	86	217	864	89	189	828	81	195	886	87	185	721	86	185	729	86
1894	234	1359	104	201	861	109	208	655	104	205	648	107	196	696	103	196	815	116	201	734	108	219	1260	105	213	922	103	214	1140	114	234	965	100	212	1105	108	218	1080	106	221	980	117	210	907	107
1895	237	1252	95	195	800	101	189	704	112	165	589	97	163	627	93	160	632	90	174	671	99	196	973	81	183	820	92	177	947	95	218	904	93	192	965	95	193	922	91	199	810	97	184	798	94
1896§	247	1400	107	209	735	93	192	631	100	186	594	98	180	613	91	170	642	91	187	646	95	212	1131	94	196	877	98	182	840	84	222	977	101	195	917	90	201	949	93	204	752	90	194	794	93
1897	231	1184	90	204	770	98	183	620	99	174	561	93	178	711	105	168	678	96	181	668	98	222	*1194*	*99*	199	942	105	206	1110	111	234	1044	108	219	1214	119	216	1100	108	218	912	109	199	884	104
1898	262	1679	128	204	754	96	176	556	88	156	495	82	162	559	83	150	551	78	170	584	86	228	*1181*	*98*	202	859	96	188	904	91	245	960	99	202	1001	98	213	980	96	208	721	86	192	782	91
1899	233	1354	103	200	838	106	173	617	98	158	556	92	154	640	95	137	635	90	164	658	97	221	*1245*	*103*	187	904	101	175	983	99	228	975	101	191	1085	106	200	1039	102	169	739	88	182	848	100
1900	260	1445	110	224	945	120	188	742	118	189	594	98	183	724	107	175	693	98	192	739	108	237	*1445*	*120*	202	983	110	213	1130	113	242	1057	109	217	1222	120	222	1168	115	219	861	103	207	955	113
1901	237	1125	86	198	724	92	168	625	99	158	521	86	155	645	95	146	615	87	165	625	92	210	*1153*	*96*	185	762	85	171	886	89	230	978	101	191	937	92	197	942	93	197	805	96	181	785	93
1902§	249	1217	93	212	678	86	182	546	87	176	521	86	178	620	92	176	646	92	184	600	88	225	*1213*	*101*	209	730	83	194	855	86	245	924	95	208	927	91	216	929	91	211	728	87	200	765	90
1903	257	1669	127	232	993	126	197	787	125	178	765	126	194	874	129	197	909	129	200	866	127	241	1633	136	226	1128	126	221	1234	124	265	1199	124	242	1237	121	239	1285	127	241	983	118	220	1077	127
1904	253	1346	103	201	660	84	164	516	82	164	508	84	173	602	89	177	668	95	178	592	87	206	1222	102	192	795	89	195	947	95	250	978	101	216	986	97	212	986	97	228	914	109	195	790	93
1905	275	1400	107	218	724	92	169	505	80	170	526	87	174	549	81	170	645	92	180	589	86	206	1146	95	192	762	85	185	805	81	238	886	92	213	853	84	207	892	88	213	739	88	194	742	87
1906	262	1402	107	212	902	114	188	625	99	165	625	103	183	643	95	177	704	100	185	699	103	216	1227	102	208	942	105	203	1034	104	254	968	100	234	899	88	223	1013	100	199	749	90	204	856	101
1907	267	1285	98	212	810	103	196	620	99	182	556	92	194	726	107	179	678	96	190	676	99	228	1298	108	221	932	104	222	1044	105	251	1026	106	247	991	97	233	1059	104	197	772	92	214	866	102
1908§	253	1308	100	202	723	92	183	511	81	181	544	90	176	613	91	170	613	87	182	600	88	217	1191	99	208	919	103	193	822	83	235	1019	105	240	935	92	219	977	96	189	628	75	201	790	93
1909	250	1146	87	208	831	105	193	693	110	201	660	109	191	709	105	186	815	116	196	742	109	200	1204	100	203	963	108	201	953	96	235	912	94	221	881	86	212	983	97	191	772	92	204	861	102
1910	246	1260	96	210	823	104	194	640	102	199	696	115	199	785	116	195	813	116	199	752	110	220	1209	100	222	991	111	218	1156	116	239	993	103	251	1092	107	230	1087	107	223	1062	127	214	919	108
1911	227	1303	99	200	747	95	180	599	95	173	587	97	162	559	83	159	714	101	175	640	94	201	1125	93	182	871	97	179	935	94	195	851	88	212	1003	98	194	958	94	186	859	103	185	800	96
1912	250	1402	107	216	853	108	207	790	126	199	754	125	189	879	130	194	831	118	200	823	121	223	1201	100	214	1006	112	218	1224	123	240	1008	104	249	1077	106	229	1102	108	226	1052	126	214	963	113
1913§	232	1286	98	191	668	85	177	548	87	173	526	87	175	658	97	166	675	96	177	615	90	213	1074	89	199	859	96	200	989	99	231	982	101	232	1103	108	215	1001	99	199	802	96	196	807	95
1914	240	1334	102	197	815	103	183	625	99	183	643	106	177	721	107	174	833	118	183	729	107	208	1110	92	192	919	103	200	1148	115	221	960	99	228	1125	110	210	1052	104	199	1003	120	197	892	105
1915	231	1074	82	199	860	109	186	679	108	185	736	122	164	753	111	159	904	128	178	786	115	191	1002	83	174	846	95	189	1102	111	221	892	92	221	1074	105	199	983	97	188	949	113	189	885	104
1916	255	1440	110	226	1065	135	199	718	114	194	713	118	194	752	111	187	860	122	200	822	121	236	1208	100	210	940	105	204	1090	109	248	1038	107	251	1148	113	230	1085	107	212	940	112	215	954	112
1917	257	1405	107	198	766	97	179	603	96	174	628	104	173	673	99	168	737	105	179	682	100	216	1165	97	187	849	95	183	900	90	240	994	103	225	905	89	210	963	95	194	779	93	195	823	97
1918	250	1388	106	208	777	98	191	637	101	188	675	112	189	734	109	183	751	107	193	715	105	231	1320	110	203	1002	112	206	1035	104	237	994	103	235	1122	110	222	1095	108	201	773	92	209	905	107
1919	237	1166	89	200	767	97	199	681	108	186	650	107	180	735	109	177	728	103	189	712	104	203	1076	89	192	807	90	193	974	98	227	906	94	213	844	83	205	922	91	206	987	118	198	818	96
1920	230	1391	106	208	810	103	185	651	103	177	539	89	191	775	115	174	674	96	188	690	101	235	1321	110	208	987	110	204	1038	104	248	1050	108	246	1151	113	228	1109	109	187	761	91	208	900	106
LUSTRA. 1881–1885 ...																																												
LUSTRA. 1886–1890 ...	241	1249	95	198	846	107	188	648	103	187	661	109	186	736	109	177	697	99	187	726	107	216	1285	107	198	929	104	211	1033	104	236	982	101	217	1059	104	216	1057	104	222	858	103	202	888	105
LUSTRA. 1891–1895 ...	249	1267	97	201	732	93	185	627	100	183	571	94	175	645	96	175	675	96	184	649	95	205	1153	96	193	838	94	198	943	95	222	954	99	203	975	96	204	972	96	215	806	96	194	812	96
LUSTRA. 1896–1900 ...	244	1338	102	196	771	98	190	630	100	184	611	101	178	641	95	174	701	100	184	671	98	206	1155	96	196	892	100	191	976	98	225	919	95	200	994	97	204	987	97	200	837	100	194	830	98
LUSTRA. 1901–1905 ...	247	1412	108	208	808	102	182	633	101	173	560	93	171	649	96	160	640	91	179	659	97	224	1239	103	197	913	102	193	993	100	234	1003	104	205	1088	107	210	1047	103	204	797	95	195	853	100
LUSTRA. 1906–1910 ...	254	1351	103	212	756	96	176	596	95	169	568	94	175	658	97	173	697	99	181	654	96	218	1273	106	201	835	93	193	945	95	246	993	103	214	988	97	214	1007	99	218	834	100	198	832	98
LUSTRA. 1911–1915 ...	256	1280	98	209	818	104	191	618	98	186	616	102	189	695	103	181	725	103	190	694	102	216	1226	102	212	949	106	207	1002	101	243	984	102	239	960	94	223	1024	101	200	797	95	207	858	101
LUSTRA. 1916–1920 ...	236	1280	98	201	789	100	187	648	103	183	649	107	173	714	106	170	791	112	183	719	105	207	1102	92	192	900	101	197	1080	108	222	939	97	228	1076	106	209	1019	100	200	933	112	196	869	102
	246	1357	103	208	837	106	191	658	105	184	641	106	185	734	110	178	750	107	190	724	106	224	1218	101	200	917	103	198	1007	101	240	996	103	234	1034	101	219	1035	102	200	848	101	205	880	104

§ Year containing 53 weeks. Totals adjusted.

The maximum and minimum values in each column are shown in heavy type.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

(853). Wt.24/561/F25. 500 8/23. B.&F.Ltd. G93.

DISTRICT VALUES. 1878 TO 1920. WHOLE YEAR.

TABLE II.—TEMPERATURE, FAHRENHEIT SCALE—MEAN TEMPERATURE AND DEVIATION FROM THE NORMAL FOR THE 35 YEARS, 1881-1915.

	EASTERN DISTRICTS.												WESTERN DISTRICTS.															
	0 SCOTLAND, N.		1 SCOTLAND, E.		2 ENGLAND, N.E.		3 ENGLAND, E.		4 MIDLAND COUNTIES.		5 ENGLAND, S.E.		DISTRICTS. 1-5		6 SCOTLAND, W.		7 ENGLAND, N.W AND N. WALES.		8 S. WALES AND ENGLAND, S.W		9 IRELAND, N.		10 IRELAND, S.		DISTRICTS. 6-10		11 ENGLISH CHANNEL.		DISTRICTS 1-10	
	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.	°	Diff.
Normal (1881-1915)	45·5	—	45·9	—	47·5	—	48·6	—	48·0	—	49·6	—	47·8	—	47·5	—	48·4	—	49·5	—	48·0	—	49·6	—	48·6	—	52·0	—	48·2	—
1878	*46·0*	*+0·5*	*46·1*	*+0·2*	47·7	+0·2	48·7	+0·1	49·1	+1·1	49·9	+0·3	48·3	+0·5	*48·3*	*+0·8*	49·0	+0·6	50·7	+1·2	48·8	+0·8	50·4	+0·8	49·4	+0·8	51·9	−0·1	48·9	+0·7
1879	43·9	−1·6	43·2	−2·7	44·8	−2·7	45·6	−3·0	45·6	−2·4	46·7	−2·9	45·2	−2·6	45·2	−2·3	45·7	−2·7	48·2	−1·3	45·9	−2·1	43·1	−1·5	46·6	−2·0	49·4	−2·6	45·9	−2·3
1880§	*46·1*	*+0·6*	*46·0*	*+0·1*	47·5	0·0	48·6	0·0	48·2	+0·2	49·8	+0·2	48·0	+0·2	*47·6*	*+0·1*	48·4	0·0	51·0	+1·5	48·4	+0·4	50·1	+0·5	49·1	+0·5	51·3	−0·7	48·6	+0·4
1881	*44·2*	*−1·3*	*44·2*	*−1·7*	46·0	−1·5	47·5	−1·1	47·2	−0·8	48·9	−0·7	46·8	−1·0	*46·0*	*−1·5*	47·1	−1·3	49·2	−0·3	47·2	−0·8	48·8	−0·8	47·7	−0·9	51·6	−0·4	47·3	−0·9
1882	*46·3*	*+0·8*	*46·3*	*+0·4*	48·2	+0·7	48·9	+0·3	48·5	+0·5	50·2	+0·6	48·4	+0·6	*47·9*	*+0·4*	48·8	+0·4	50·1	+0·6	48·5	+0·5	49·6	0·0	49·0	+0·4	51·5	−0·5	48·7	+0·5
1883	*45·5*	*0·0*	*45·9*	*0·0*	47·2	−0·3	48·3	−0·3	48·0	0·0	49·5	−0·1	47·8	0·0	*47·2*	*−0·3*	48·1	−0·3	49·4	−0·1	47·8	−0·2	49·2	−0·4	48·3	−0·3	51·3	−0·7	48·1	−0·1
1884	*46·1*	*+0·6*	*46·7*	*+0·8*	48·5	+1·0	49·6	+1·0	49·3	+1·3	50·8	+1·2	49·0	+1·2	*48·2*	*+0·7*	49·1	+0·7	50·5	+1·0	48·6	+0·6	50·0	+0·4	49·3	+0·7	52·3	+0·3	49·2	+1·0
1885	*44·4*	*−1·1*	*44·9*	*−1·0*	46·6	−0·9	47·3	−1·3	47·1	−0·9	48·8	−0·8	46·9	−0·9	*46·0*	*−1·5*	46·7	−1·7	48·5	−1·0	47·0	−1·0	48·4	−1·2	47·3	−1·3	50·5	−1·5	47·1	−1·1
1886§	*44·4*	*−1·1*	*44·6*	*−1·3*	46·2	−1·3	47·3	−1·3	47·2	−0·8	48·8	−0·8	46·8	−1·0	*46·0*	*−1·5*	46·9	−1·5	48·6	−0·9	46·8	−1·2	48·5	−1·1	47·4	−1·2	51·0	−1·0	47·2	−1·0
1887	*45·0*	*−0·5*	45·9	0·0	46·4	−1·1	46·9	−1·7	46·8	−1·2	47·9	−1·7	46·8	−1·0	46·5	−1·0	47·1	−1·3	48·4	−1·1	47·8	−0·2	49·0	−0·6	47·8	−0·8	50·7	−1·3	47·3	−0·9
1888	*44·4*	*−1·1*	44·9	−1·0	45·9	−1·6	46·8	−1·8	46·5	−1·5	48·0	−1·6	46·4	−1·4	46·5	−1·0	46·9	−1·5	48·1	−1·4	47·3	−0·7	48·7	−0·9	47·5	−1·1	50·6	−1·4	47·0	−1·2
1889	*46·2*	*+0·7*	46·4	+0·5	47·2	−0·3	47·7	−0·9	47·8	−0·2	49·3	−0·3	47·7	−0·1	47·8	+0·3	48·1	−0·3	49·2	−0·3	48·3	+0·3	49·6	0·0	48·6	0·0	51·7	−0·3	48·2	0·0
1890§	*46·2*	*+0·7*	46·3	+0·4	47·4	−0·1	47·5	−1·1	47·3	−0·7	48·9	−0·7	47·5	−0·3	47·5	0·0	47·9	−0·5	49·0	−0·5	48·2	+0·2	49·5	−0·1	48·4	−0·2	51·1	−0·9	48·0	−0·2
1891	45·3	−0·2	45·4	−0·5	46·3	−1·2	47·3	−1·3	47·0	−1·0	48·7	−0·9	46·9	−0·9	47·1	−0·4	47·6	−0·8	48·6	0·0	47·6	−0·4	48·8	−0·8	47·9	−0·7	51·1	−0·9	47·4	−0·8
1892	43·6	−1·9	44·0	−1·9	45·5	−2·0	46·6	−2·0	46·1	−1·9	48·2	−1·4	46·1	−1·7	45·6	−1·9	46·6	−1·8	48·2	−1·3	46·8	−1·2	48·3	−1·3	47·1	−1·5	51·2	−0·8	46·6	−1·6
1893	46·5	+1·0	47·0	+1·1	48·5	+1·0	49·4	+0·8	49·6	+1·6	51·0	+1·4	49·1	+1·3	48·7	+1·2	50·1	+1·7	51·2	+1·7	49·6	+1·6	51·0	+1·4	50·1	+1·5	53·7	+1·7	49·6	+1·4
1894	46·3	+0·8	46·0	+0·1	47·4	−0·1	48·6	0·0	48·4	+0·4	50·2	+0·6	48·1	+0·3	47·8	+0·3	49·1	+0·7	49·9	+0·4	48·3	+0·3	49·8	+0·2	49·0	+0·4	52·5	+0·5	48·6	+0·4
1895	44·8	−0·7	44·8	−1·1	46·8	−0·7	47·6	−1·0	47·2	−0·8	48·9	−0·7	47·1	−0·7	46·4	−1·1	47·5	−0·9	48·8	−0·7	47·1	−0·9	48·6	−1·0	47·7	−0·9	51·6	−0·4	47·4	−0·8
1896§	46·3	+0·8	46·7	+0·8	47·9	+0·4	48·5	−0·1	48·3	+0·3	50·1	+0·5	48·3	+0·5	48·0	+0·5	49·0	+0·6	50·1	+0·6	48·5	+0·5	50·1	+0·5	49·1	+0·5	52·7	+0·7	48·7	+0·5
1897	45·5	0·0	45·9	0·0	47·7	+0·2	48·7	+0·1	48·5	+0·5	50·7	+1·1	48·3	+0·5	47·7	+0·2	48·9	+0·5	50·5	+1·0	48·2	+0·2	50·3	+0·7	49·1	+0·5	53·0	+1·0	48·7	+0·5
1898	46·7	+1·2	47·4	+1·5	49·0	+1·5	49·8	+1·2	49·5	+1·5	51·4	+1·8	49·4	+1·6	49·0	+1·5	50·0	+1·6	51·2	+1·7	49·5	+1·5	51·3	+1·7	50·2	+1·6	53·7	+1·7	49·8	+1·6
1899	46·3	+0·8	46·3	+0·4	48·1	+0·6	49·4	+0·8	49·0	+1·0	51·2	+1·6	48·8	+1·0	48·1	+0·6	49·3	+0·9	51·2	+1·7	49·1	+1·1	51·0	+1·4	49·7	+1·1	54·1	+2·1	49·3	+1·1
1900	45·7	+0·2	45·8	−0·1	48·0	+0·5	49·3	+0·7	48·7	+0·7	50·4	+0·8	48·4	+0·6	47·6	+0·1	48·7	+0·3	50·0	+0·5	48·2	+0·2	49·6	0·0	48·8	+0·2	53·2	+1·2	48·6	+0·4
1901	46·1	+0·6	46·1	+0·2	47·7	+0·2	48·3	−0·3	47·9	−0·1	49·4	−0·2	47·9	+0·1	47·5	0·0	48·4	0·0	49·5	0·0	47·9	−0·1	49·3	−0·3	48·5	−0·1	52·2	+0·2	48·2	0·0
1902§	45·0	−0·5	44·9	−1·0	47·0	−0·5	48·0	−0·6	47·5	−0·5	49·1	−0·5	47·3	−0·5	46·9	−0·6	47·7	−0·7	49·2	−0·3	47·8	−0·2	49·6	0·0	48·3	−0·3	51·9	−0·1	47·8	−0·4
1903	45·0	−0·5	45·4	−0·5	47·5	0·0	49·1	+0·5	48·1	+0·1	50·0	+0·4	48·0	+0·2	47·4	−0·1	48·4	0·0	50·0	+0·5	47·9	−0·1	49·5	−0·1	48·6	0·0	53·2	+0·3	48·3	+0·1
1904	*45·7*	*+0·2*	45·7	−0·2	47·9	+0·4	48·9	+0·3	47·8	−0·2	49·5	−0·1	48·0	+0·2	47·3	−0·2	48·1	−0·3	49·7	+0·2	47·8	−0·2	49·6	0·0	48·5	−0·1	51·3	−0·7	48·3	+0·1
1905	*46·0*	*+0·5*	46·3	+0·4	48·0	+0·5	49·0	+0·4	48·1	+0·1	49·4	−0·2	48·2	+0·4	47·7	+0·2	48·4	0·0	49·2	−0·3	48·6	+0·6	49·9	+0·3	48·8	+0·2	52·0	0·0	48·5	+0·3
1906	45·6	+0·1	46·5	+0·6	48·5	+1·0	49·7	+1·1	49·0	+1·0	50·0	+0·4	48·7	+0·9	48·0	+0·5	48·6	+0·2	49·5	0·0	48·1	+0·1	49·9	+0·3	48·8	+0·2	52·3	+0·3	48·8	+0·6
1907	45·3	−0·2	45·5	−0·4	47·4	−0·1	48·6	0·0	47·8	−0·2	49·3	−0·3	47·7	−0·1	47·3	−0·2	47·8	−0·6	48·8	−0·7	47·8	−0·2	49·3	−0·3	48·2	−0·4	51·9	−0·1	48·0	−0·2
1908§	46·3	+0·8	46·2	+0·3	47·8	+0·3	48·6	0·0	48·1	+0·1	49·4	−0·2	48·0	+0·2	48·1	+0·6	48·3	−0·1	49·7	+0·2	48·8	+0·8	50·2	+0·6	49·0	+0·4	52·4	+0·4	48·5	+0·3
1909	44·7	−0·8	44·8	−1·1	46·7	−0·8	47·7	−0·9	47·0	−1·0	48·3	−1·3	46·9	−0·9	46·3	−1·2	47·1	−1·3	48·5	−1·0	47·6	−0·4	49·0	−0·6	47·7	−0·9	51·6	−0·4	47·3	−0·9
1910	45·6	+0·1	45·5	−0·4	47·6	+0·1	49·0	+0·4	48·2	+0·2	49·6	0·0	48·0	+0·2	47·4	−0·1	48·2	−0·2	49·4	−0·1	48·0	0·0	49·4	−0·2	48·5	−0·1	52·0	0·0	48·3	+0·1
1911	46·5	+1·0	46·7	+0·8	49·0	+1·5	50·4	+1·8	49·7	+1·7	51·0	+1·4	48·9	+1·1	48·4	+0·9	49·8	+1·4	50·8	+1·3	48·9	+0·9	50·3	+0·7	49·6	+1·0	53·1	+1·1	49·3	+1·1
1912	45·6	+0·1	45·7	−0·2	47·6	+0·1	49·5	+0·9	48·3	+0·3	50·0	+0·4	48·2	+0·4	47·4	−0·1	48·4	0·0	49·7	+0·2	48·0	0·0	49·6	0·0	48·6	0·0	52·4	+0·4	48·4	+0·2
1913§	46·6	+1·1	46·4	+0·5	48·4	+0·9	49·8	+1·2	48·9	+0·9	50·7	+1·1	48·7	+0·9	48·0	+0·5	49·3	+0·9	50·4	+0·9	48·4	+0·4	49·6	0·0	49·1	+0·5	52·5	+0·5	48·9	+0·7
1914	46·6	+1·1	46·6	+0·7	49·3	+1·8	50·2	+1·6	49·5	+1·5	50·7	+1·1	49·3	+1·5	48·4	+0·9	49·5	+1·1	50·4	+0·9	48·7	+0·7	50·2	+0·6	49·5	+0·9	52·7	+0·7	49·3	+1·1
1915	45·1	−0·4	44·8	−1·1	47·1	−0·4	48·6	0·0	47·8	−0·2	49·3	−0·3	47·5	−0·3	46·6	−0·9	47·7	−0·7	48·9	−0·6	47·5	−0·5	49·1	−0·5	48·0	−0·6	51·6	−0·4	47·8	−0·4
1916	45·9	+0·4	45·3	−0·6	47·8	+0·3	48·7	+0·1	48·0	0·0	49·6	0·0	47·8	0·0	47·7	+0·2	48·6	+0·2	49·6	+0·1	48·0	0·0	49·6	0·0	48·7	+0·1	52·0	0·0	48·4	+0·2
1917	45·0	−0·5	44·6	−1·3	46·6	−0·9	47·5	−1·1	47·1	−0·9	48·2	−1·4	46·8	−1·0	46·6	−0·9	47·3	−1·1	47·8	−1·7	47·1	−0·9	48·6	−1·0	47·5	−1·1	50·5	−1·5	47·1	−1·1
1918	45·5	0·0	45·5	−0·4	48·2	+0·7	48·9	+0·3	48·9	+0·9	50·0	+0·4	48·3	+0·5	47·7	+0·2	48·9	+0·5	50·0	+0·5	48·6	+0·6	50·2	+0·6	49·1	+0·5	52·3	+0·3	48·7	+0·5
1919	44·2	−1·3	44·2	−1·7	46·4	−1·1	47·1	−1·5	46·9	−1·1	48·4	−1·2	46·6	−1·2	46·0	−1·5	47·1	−1·3	48·3	−1·2	47·1	−0·9	48·9	−0·7	47·5	−1·1	51·1	−0·9	47·0	−1·2
1920	46·2	+0·7	46·1	+0·2	48·4	+0·9	49·5	+0·9	48·8	+0·8	50·4	+0·8	48·6	+0·8	48·0	+0·5	49·1	+0·7	50·0	+0·5	48·6	+0·6	50·0	+0·4	49·1	+0·5	52·5	+0·5	48·9	+0·7
LUSTRA. 1881-1885	*45·3*	*−0·2*	*45·6*	*−0·3*	47·3	−0·2	48·3	−0·3	48·0	0·0	49·6	0·0	47·8	0·0	*47·1*	*−0·4*	48·0	−0·4	49·5	0·0	47·8	−0·2	49·2	−0·4	48·3	−0·3	51·4	−0·6	48·1	−0·1
1886-1890	*45·2*	*−0·3*	45·6	−0·3	46·6	−0·9	47·2	−1·4	47·1	−0·9	48·6	−1·0	47·0	−0·8	46·9	−0·6	47·4	−1·0	48·7	−0·8	47·7	−0·3	49·1	−0·5	48·0	−0·6	51·0	−1·0	47·5	−0·7
1891-1895	45·3	−0·2	45·4	−0·5	46·9	−0·6	47·9	−0·7	47·7	−0·3	49·4	−0·2	47·5	−0·3	47·1	−0·4	48·2	−0·2	49·3	−0·2	47·9	−0·1	49·3	−0·3	48·4	−0·2	52·0	0·0	48·0	−0·2
1896-1900	46·1	+0·6	46·4	+0·5	48·1	+0·6	49·1	+0·5	48·8	+0·8	50·8	+1·2	48·6	+0·8	48·1	+0·6	49·2	+0·8	50·6	+1·1	48·7	+0·7	50·4	+0·8	49·4	+0·8	53·3	+1·3	49·0	+0·8
1901-1905	*45·6*	*+0·1*	45·7	−0·2	47·6	+0·1	48·7	+0·1	47·9	−0·1	49·5	−0·1	47·9	+0·1	47·3	−0·2	48·2	−0·2	49·5	0·0	48·0	0·0	49·6	0·0	48·5	−0·1	51·9	−0·1	48·2	0·0
1906-1910	45·5	0·0	45·7	−0·2	47·6	+0·1	48·7	+0·1	48·0	0·0	49·3	−0·3	47·9	+0·1	47·4	−0·1	48·0	−0·4	49·1	−0·4	48·1	+0·1	49·6	0·0	48·4	−0·2	52·0	0·0	48·2	0·0
1911-1915	46·0	+0·5	46·0	+0·1	48·2	+0·7	49·6	+1·0	48·9	+0·9	50·4	+0·8	48·6	+0·8	47·8	+0·3	48·9	+0·5	50·0	+0·5	48·4	+0·4	49·8	+0·2	48·9	+0·3	52·5	+0·5	48·7	+0·5
1916-1920	45·4	−0·1	45·1	−0·8	47·5	0·0	48·3	−0·3	47·9	−0·1	49·3	−0·3	47·6	−0·2	47·2	−0·3	48·2	−0·2	49·1	−0·4	47·9	−0·4	49·5	−0·1	48·4	−0·2	51·7	−0·3	48·0	−0·2

The maximum and minimum values in each column are shown in heavy type.

§ Year containing 53 weeks.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

TABLE III.—TEMPERATURE, ABSOLUTE SCALE—EXCESS OF MEAN TEMPERATURE ABOVE **200a**, AND DEVIATION FROM THE NORMAL FOR THE **35** YEARS **1881-1915**.

		EASTERN DISTRICTS.												WESTERN DISTRICTS.															
		0 Scotland, N.		1 Scotland, E.		2 England, N.E.		3 England, E.		4 Midland Counties.		5 England, S.E.		Districts 1–5		6 Scotland, W.		7 England, N.W and N. Wales.		8 S. Wales and England, S.W.		9 Ireland, N.		10 Ireland, S.		Districts 6–10		11 English Channel.		Districts 1–10	
		a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.	a.	Diff.
Normal (1881–1915)		80·5	—	80·7	—	81·6	—	82·2	—	81·9	—	82·8	—	81·8	—	81·6	—	82·1	—	82·7	—	81·9	—	82·8	—	82·2	—	84·1	—	82·0	—
1878	... ...	*80·8*	*+0·3*	*80·8*	*+0·1*	81·7	+0·1	82·3	+0·1	82·5	+0·6	82·9	+0·1	82·1	+0·3	*82·1*	*+0·5*	82·4	+0·3	83·4	+0·7	82·3	+0·4	83·2	+0·4	82·7	+0·5	84·1	0·0	82·4	+0·4
1879	... ...	79·6	—0·9	79·2	—1·5	80·1	—1·5	80·6	—1·6	80·6	—1·3	81·2	—1·6	80·3	—1·5	80·3	—1·3	80·6	—1·5	82·0	—0·7	80·7	—1·2	81·9	—0·9	81·1	—1·1	82·7	—1·4	80·7	—1·3
1880§	... ...	*80·8*	*+0·3*	*80·8*	*+0·1*	81·6	0·0	82·2	0·0	82·0	+0·1	82·9	+0·1	81·9	+0·1	*81·7*	*+0·1*	82·1	0·0	83·6	+0·9	82·1	+0·2	83·1	+0·3	82·5	+0·3	83·7	—0·4	82·2	+0·2
1881	... ...	*79·8*	*—0·7*	*79·8*	*—0·9*	80·8	—0·8	81·6	—0·6	81·4	—0·5	82·4	—0·4	81·2	—0·6	*80·8*	*—0·8*	81·4	—0·7	82·6	—0·1	81·4	—0·5	82·3	—0·5	81·7	—0·5	83·9	—0·2	81·5	—0·5
1882	... ...	*80·9*	*+0·4*	*80·9*	*+0·2*	82·0	+0·4	82·4	+0·2	82·2	+0·3	83·1	+0·3	82·1	+0·3	*81·8*	*+0·2*	82·3	+0·2	83·1	+0·4	82·2	+0·3	82·8	0·0	82·4	+0·2	83·8	—0·3	82·3	+0·3
1883	... ...	*80·5*	*0·0*	*80·7*	*0·0*	81·4	—0·2	82·1	—0·1	81·9	0·0	82·7	—0·1	81·8	0·0	*81·4*	*—0·2*	81·9	—0·2	82·7	0·0	81·8	—0·1	82·6	—0·2	82·1	—0·1	83·7	—0·4	81·9	—0·1
1884	... ...	*80·8*	*+0·3*	*81·2*	*+0·5*	82·2	+0·6	82·8	+0·6	82·6	+0·7	83·4	+0·6	82·4	+0·6	*82·0*	*+0·4*	82·5	+0·4	83·3	+0·6	82·2	+0·3	83·0	+0·2	82·6	+0·4	84·3	+0·2	82·6	+0·6
1885	... ...	*79·9*	*—0·6*	*80·2*	*—0·5*	81·1	—0·5	81·5	—0·7	81·4	—0·5	82·3	—0·5	81·3	—0·5	*80·8*	*—0·8*	81·2	—0·9	82·2	—0·5	81·3	—0·6	82·1	—0·7	81·5	—0·7	83·3	—0·8	81·4	—0·6
1886§	... ...	*79·9*	*—0·6*	*80·0*	*—0·7*	80·9	—0·7	81·5	—0·7	81·4	—0·5	82·3	—0·5	81·2	—0·6	*80·8*	*—0·8*	81·3	—0·8	82·2	—0·5	81·2	—0·7	82·2	—0·6	81·6	—0·6	83·6	—0·5	81·4	—0·6
1887	... ...	*80·2*	*—0·3*	80·7	0·0	81·0	—0·6	81·3	—0·9	81·2	—0·7	81·8	—1·0	81·2	—0·6	81·1	—0·5	81·4	—0·7	82·1	—0·6	81·8	—0·1	82·4	—0·4	81·8	—0·4	83·4	—0·7	81·5	—0·5
1888	... ...	*79·9*	*—0·6*	80·2	—0·5	80·7	—0·9	81·2	—1·0	81·1	—0·8	81·9	—0·9	81·0	—0·8	81·1	—0·5	81·3	—0·8	81·9	—0·8	81·5	—0·4	82·3	—0·5	81·6	—0·6	83·3	—0·8	81·3	—0·7
1889	... ...	*80·9*	*+0·4*	81·0	+0·3	81·4	—0·2	81·7	—0·5	81·8	—0·1	82·6	—0·2	81·7	—0·1	81·8	+0·2	81·9	—0·2	82·6	—0·1	82·1	+0·2	82·8	0·0	82·2	0·0	83·9	—0·2	82·0	0·0
1890§	... ...	*80·9*	*+0·4*	80·9	+0·2	81·6	0·0	81·6	—0·6	81·5	—0·4	82·4	—0·4	81·6	—0·2	81·6	0·0	81·8	—0·3	82·4	—0·3	82·0	+0·1	82·7	—0·1	82·1	—0·1	83·6	—0·5	81·9	—0·1
1891	... ...	80·4	—0·1	80·4	—0·3	80·9	—0·7	81·5	—0·7	81·3	—0·6	82·3	—0·5	81·3	—0·5	81·4	—0·2	81·7	—0·4	82·2	—0·5	81·7	—0·2	82·3	—0·5	81·8	—0·4	83·6	—0·5	81·6	—0·4
1892	... .	79·4	—1·1	79·7	—1·0	80·5	—1·1	81·1	—1·1	80·8	—1·1	82·0	—0·8	80·8	—1·0	80·6	—1·0	81·1	—1·0	82·0	—0·7	81·2	—0·7	82·1	—0·7	81·4	—0·8	83·7	—0·4	81·1	—0·9
1893	... ..	81·1	+0·6	81·3	+0·6	82·2	+0·6	82·7	+0·5	82·8	+0·9	83·6	+0·8	82·5	+0·7	82·3	+0·7	83·1	+1·0	83·7	+1·0	82·8	+0·9	83·6	+0·8	83·1	+0·9	85·1	+1·0	82·8	+0·8
1894	... ..	80·9	+0·4	80·8	+0·1	81·6	0·0	82·2	0·0	82·1	+0·2	83·1	+0·3	81·9	+0·1	81·8	+0·2	82·5	+0·4	82·9	+0·2	82·1	+0·2	82·9	+0·1	82·4	+0·2	84·4	+0·3	82·2	+0·2
1895	... ...	80·1	—0·4	80·1	—0·6	81·2	—0·4	81·7	—0·5	81·4	—0·5	82·4	—0·4	81·4	—0·4	81·0	—0·6	81·6	—0·5	82·3	—0·4	81·4	—0·5	82·2	—0·6	81·7	—0·5	83·9	—0·2	81·6	—0·4
1896§	... ..	80·9	+0·4	81·2	+0·5	81·8	+0·2	82·2	0·0	82·1	+0·2	83·1	+0·3	82·1	+0·3	81·9	+0·3	82·4	+0·3	83·1	+0·4	82·2	+0·3	83·1	+0·3	82·5	+0·3	84·5	+0·4	82·3	+0·3
1897	... ..	80·5	0·0	80·7	0·0	81·7	+0·1	82·3	+0·1	82·2	+0·3	83·4	+0·6	82·1	+0·3	81·7	+0·1	82·4	+0·3	83·3	+0·6	82·0	+0·1	83·2	+0·4	82·5	+0·3	84·7	+0·6	82·3	+0·3
1898	... ...	81·2	+0·7	81·6	+0·9	82·4	+0·8	82·9	+0·7	82·7	+0·8	83·8	+1·0	82·7	+0·9	82·4	+0·8	83·0	+0·9	83·7	+1·0	82·7	+0·8	83·7	+0·9	83·1	+0·9	85·1	+1·0	82·9	+0·9
1899	... ...	80·9	+0·4	80·9	+0·2	81·9	+0·3	82·7	+0·5	82·4	+0·5	83·7	+0·9	82·3	+0·5	81·9	+0·3	82·6	+0·5	83·7	+1·0	82·5	+0·6	83·6	+0·8	82·8	+0·6	85·3	+1·2	82·6	+0·6
1900	... ...	80·6	+0·1	80·7	0·0	81·9	+0·3	82·6	+0·4	82·3	+0·4	83·2	+0·4	82·1	+0·3	81·7	+0·1	82·3	+0·2	83·0	+0·3	82·0	+0·1	82·8	0·0	82·3	+0·1	84·8	+0·7	82·2	+0·2
1901	... ...	80·8	+0·3	80·8	+0·1	81·7	+0·1	82·1	—0·1	81·8	—0·1	82·7	—0·1	81·8	0·0	81·6	0·0	82·1	0·0	82·7	0·0	81·8	—0·1	82·6	—0·2	82·2	0·0	84·2	+0·1	82·0	0·0
1902§	... ...	80·2	—0·3	80·2	—0·5	81·3	—0·3	81·9	—0·3	81·6	—0·3	82·5	—0·3	81·5	—0·3	81·3	—0·3	81·7	—0·4	82·6	—0·1	81·8	—0·1	82·8	0·0	82·1	—0·1	84·1	0·0	81·8	—0·2
1903	... ...	80·2	—0·3	80·4	—0·3	81·6	0·0	82·5	+0·3	81·9	0·0	83·0	+0·2	81·9	+0·1	81·6	0·0	82·1	0·0	83·0	+0·3	81·8	—0·1	82·7	—0·1	82·2	0·0	84·3	+0·2	82·1	+0·1
1904	... ...	*80·6*	*+0·1*	80·6	—0·1	81·8	+0·2	82·4	+0·2	81·8	—0·1	82·7	—0·1	81·9	+0·1	81·5	—0·1	81·9	—0·2	82·8	+0·1	81·8	—0·1	82·8	0·0	82·2	0·0	83·7	—0·4	82·1	+0·1
1905	... ...	*80·8*	*+0·3*	80·9	+0·2	81·9	+0·3	82·4	+0·2	81·9	0·0	82·7	—0·1	82·0	+0·2	81·7	+0·1	82·1	0·0	82·6	—0·1	82·2	+0·3	82·9	+0·1	82·3	+0·1	84·1	0·0	82·2	+0·2
1906	... ...	80·6	+0·1	81·1	+0·4	82·2	+0·6	82·8	+0·6	82·4	+0·5	83·0	+0·2	82·3	+0·5	81·9	+0·3	82·2	+0·1	82·7	0·0	81·9	0·0	82·9	+0·1	82·3	+0·1	84·3	+0·2	82·3	+0·3
1907	... ...	80·4	—0·1	80·5	—0·2	81·6	0·0	82·2	0·0	81·8	—0·1	82·6	—0·2	81·7	—0·1	81·5	—0·1	81·8	—0·3	82·3	—0·4	81·8	—0·1	82·6	—0·2	82·0	—0·2	84·1	0·0	81·9	—0·1
1908§	... ...	80·9	+0·4	80·9	+0·2	81·8	+0·2	82·2	0·0	81·9	0·0	82·7	—0·1	81·9	+0·1	81·9	+0·3	82·1	0·0	82·8	+0·1	82·3	+0·4	83·1	+0·3	82·4	+0·2	84·3	+0·2	82·2	+0·2
1909	... ...	80·1	—0·4	80·1	—0·6	81·2	—0·4	81·7	—0·5	81·3	—0·6	82·1	—0·7	81·3	—0·5	80·9	—0·7	81·4	—0·7	82·2	—0·5	81·7	—0·2	82·4	—0·4	81·7	—0·5	83·9	—0·2	81·5	—0·5
1910	... ...	80·6	+0·1	80·5	—0·2	81·7	+0·1	82·4	+0·2	82·0	+0·1	82·8	0·0	81·9	+0·1	81·6	0·0	82·0	—0·1	82·7	0·0	81·9	0·0	82·7	—0·1	82·2	0·0	84·1	0·0	82·1	+0·1
1911	... ...	81·1	+0·6	81·2	+0·5	82·4	+0·8	83·2	+1·0	82·8	+0·9	83·6	+0·8	82·4	+0·6	82·1	+0·5	82·9	+0·8	83·4	+0·7	82·4	+0·5	83·2	+0·4	82·8	+0·6	84·7	+0·6	82·6	+0·6
1912	... ...	80·6	+0·1	80·6	—0·1	81·7	+0·1	82·7	+0·5	82·1	+0·2	83·0	+0·2	82·0	+0·2	81·6	0·0	82·1	0·0	82·8	+0·1	81·9	0·0	82·8	0·0	82·2	0·0	84·3	+0·2	82·1	+0·1
1913§	... ...	81·1	+0·6	81·0	+0·3	82·1	+0·5	82·9	+0·7	82·4	+0·5	83·4	+0·6	82·3	+0·5	81·9	+0·3	82·6	+0·5	83·2	+0·5	82·1	+0·2	82·8	0·0	82·5	+0·3	84·4	+0·3	82·4	+0·4
1914	... ...	81·1	+0·6	81·1	+0·4	82·6	+1·0	83·1	+0·9	82·7	+0·8	83·4	+0·6	82·6	+0·8	82·1	+0·5	82·7	+0·6	83·2	+0·5	82·3	+0·4	83·1	+0·3	82·7	+0·5	84·5	+0·4	82·6	+0·6
1915	... ...	80·3	—0·2	80·1	—0·6	81·4	—0·2	82·2	0·0	81·8	—0·1	82·6	—0·2	81·6	—0·2	81·1	—0·5	81·7	—0·4	82·4	—0·3	81·6	—0·3	82·5	—0·3	81·9	—0·3	83·9	—0·2	81·8	—0·2
1916	... ...	80·7	+0·2	80·4	—0·3	81·8	+0·2	82·3	+0·1	81·9	0·0	82·8	0·0	81·8	0·0	81·7	+0·1	82·2	+0·1	82·8	+0·1	81·9	0·0	82·8	0·0	82·3	+0·1	84·1	0·0	82·1	+0·1
1917	... ...	80·2	—0·3	80·0	—0·7	81·1	—0·5	81·6	—0·6	81·4	—0·5	82·0	—0·8	81·2	—0·6	81·1	—0·5	81·5	—0·6	81·8	—0·9	81·4	—0·5	82·2	—0·6	81·6	—0·6	83·3	—0·8	81·4	—0·6
1918	... ...	80·5	0·0	80·5	—0·2	82·0	+0·4	82·4	+0·2	82·4	+0·5	83·0	+0·2	82·1	+0·3	81·7	+0·1	82·4	+0·3	83·0	+0·3	82·2	+0·3	83·1	+0·3	82·5	+0·3	84·3	+0·2	82·3	+0·3
1919	... ...	79·8	—0·7	79·8	—0·9	81·0	—0·6	81·4	—0·8	81·3	—0·6	82·1	—0·7	81·1	—0·7	80·8	—0·8	81·4	—0·7	82·1	—0·6	81·4	—0·5	82·3	—0·5	81·6	—0·6	83·6	—0·5	81·4	—0·6
1920	... ...	80·9	+0·4	80·8	+0·1	82·1	+0·5	82·7	+0·5	82·4	+0·5	83·2	+0·4	82·2	+0·4	81·9	+0·3	82·5	+0·4	83·0	+0·3	82·3	+0·4	83·0	+0·2	82·5	+0·3	84·4	+0·3	82·4	+0·4
LUSTRA 1881–1885	...	*80·4*	*—0·1*	*80·6*	*—0·1*	81·5	—0·1	82·1	—0·1	81·9	0·0	82·8	0·0	81·8	0·0	*81·4*	*—0·2*	81·9	—0·2	82·7	0·0	81·8	—0·1	82·6	—0·2	82·1	—0·1	83·8	—0·3	81·9	—0·1
1886–1890	...	*80·3*	*—0·2*	80·6	—0·1	81·1	—0·5	81·4	—0·8	81·4	—0·5	82·2	—0·6	81·3	—0·5	81·3	—0·3	81·6	—0·5	82·3	—0·4	81·7	—0·2	82·5	—0·3	81·9	—0·3	83·6	—0·5	81·6	—0·4
1891–1895	...	80·4	—0·1	80·4	—0·3	81·3	—0·3	81·8	—0·4	81·7	—0·2	82·7	—0·1	81·6	—0·2	81·4	—0·2	82·0	—0·1	82·6	—0·1	81·8	—0·1	82·6	—0·2	82·1	—0·1	84·1	0·0	81·9	—0·1
1896–1900	...	80·8	+0·3	81·0	+0·3	81·9	+0·3	82·5	+0·3	82·3	+0·4	83·4	+0·6	82·2	+0·4	81·9	+0·3	82·6	+0·5	83·3	+0·6	82·3	+0·4	83·2	+0·4	82·7	+0·5	84·8	+0·7	82·4	+0·4
1901–1905	...	*80·6*	*+0·1*	80·6	—0·1	81·7	+0·1	82·3	+0·1	81·8	—0·1	82·7	—0·1	81·8	0·0	81·5	—0·1	82·0	—0·1	82·7	0·0	81·9	0·0	82·8	0·0	82·2	0·0	84·1	0·0	82·0	0·0
1906–1910	...	80·5	0·0	80·6	—0·1	81·7	+0·1	82·3	+0·1	81·9	0·0	82·6	—0·2	81·8	0·0	81·6	0·0	81·9	—0·2	82·5	—0·2	81·9	0·0	82·9	+0·1	82·1	—0·1	84·1	0·0	82·0	0·0
1911–1915	...	80·8	+0·3	80·8	+0·1	82·0	+0·4	82·8	+0·6	82·4	+0·5	83·2	+0·4	82·2	+0·4	81·8	+0·2	82·4	+0·3	83·0	+0·3	82·1	+0·2	82·9	+0·1	82·4	+0·2	84·4	+0·3	82·3	+0·3
1916–1920	...	80·4	—0·1	80·3	—0·4	81·6	0·0	82·1	—0·1	81·9	0·0	82·6	—0·2	81·7	—0·1	81·4	—0·2	82·0	—0·1	82·5	—0·2	81·8	—0·1	82·7	—0·1	82·1	—0·1	83·9	—0·2	81·9	—0·1

The maximum and minimum values in each column are shown in heavy type.

§ Year containing 53 weeks.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

DISTRICT VALUES. 1881 TO 1920. WHOLE YEAR.

TABLE IV.—SUNSHINE—DURATION IN THOUSAND HOURS, DAILY MEANS AND PERCENTAGES OF THE NORMALS FOR THE 35 YEARS 1881-1915

YEARS.	0 SCOTLAND, N.			EASTERN DISTRICTS.																		WESTERN DISTRICTS.																		11 ENGLISH CHANNEL.			MEANS FOR DISTRICTS 1-10 COMBINED.		
				1 SCOTLAND, E.			2 ENGLAND, N.E.			3 ENGLAND, E.			4 MIDLAND COUNTIES.			5 ENGLAND, S.E.			MEANS FOR EASTERN DISTRICTS.			6 SCOTLAND, W.			7 ENGLAND, N.W AND N. WALES.			8 S. WALES AND ENGLAND, S.W.			9 IRELAND, N.			10 IRELAND, S.			MEANS FOR WESTERN DISTRICTS.								
	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per cent. of normal.	Th.-hrs.	Daily Mean.	Per Cent. of Normal.
Normal (1881-1915)	1·11	3·0	—	1·32	3·6	—	1·44	4·0	—	1·58	4·3	—	1·40	3·8	—	1·62	4·5	—	1·47	4·0	—	1·35	3·7	—	1·41	3·9	—	1·56	4·3	—	1·28	3·5	—	1·44	4·0	—	1·41	3·9	—	1·87	5·1	—	1·44	4·0	—
1881	*1·08*	*3·0*	*97*	*1·28*	*3·5*	*97*	*1·48*	*4·1*	*103*	1·58	4·3	100	1·47	4·0	105	*1·65*	*4·5*	*102*	1·49	4·1	101	1·36	3·7	101	1·37	3·8	97	*1·68*	*4·6*	*108*	1·38	3·8	108	1·50	4·1	104	1·46	4·0	103	1·97	5·4	105	1·48	4·1	103
1882	*1·10*	*3·0*	*99*	*1·41*	*3·9*	*107*	*1·58*	*4·3*	*110*	1·54	4·2	98	1·38	3·8	99	*1·65*	*4·5*	*102*	1·51	4·1	103	1·35	3·7	100	1·30	3·6	92	*1·50*	*4·1*	*96*	1·38	3·8	108	1·53	4·2	106	1·41	3·9	100	1·85	5·1	99	1·46	4·0	101
1883	*1·12*	*3·1*	*101*	*1·37*	*3·8*	*104*	*1·49*	*4·1*	*104*	1·59	4·4	101	1·40	3·8	100	1·54	4·2	95	1·48	4·1	101	1·41	3·9	104	1·42	3·9	101	*1·49*	*4·1*	*95*	1·26	3·5	98	1·46	4·0	101	1·41	3·9	100	1·88	5·2	101	1·45	4·0	101
1884	*1·02*	*2·8*	*92*	*1·22*	*3·4*	*92*	*1·37*	*3·8*	*95*	1·50	4·1	95	1·29	3·5	92	1·37	3·8	85	1·35	3·7	92	1·21	3·3	90	1·24	3·4	88	*1·38*	*3·8*	*88*	1·06	2·9	83	1·27	3·5	88	1·23	3·4	87	1·85	5·1	99	1·29	3·5	90
1885	*1·09*	*3·0*	*98*	*1·37*	*3·8*	*104*	1·12	3·1	78	1·50	4·1	95	1·39	3·8	99	1·49	4·1	92	1·37	3·8	93	1·32	3·6	98	1·29	3·5	91	*1·49*	*4·1*	*95*	1·24	3·4	97	1·49	4·1	104	1·37	3·8	97	1·88	5·2	101	1·37	3·8	95
1886§	*1·15*	*3·2*	*104*	*1·30*	*3·6*	*99*	*1·31*	*3·6*	*91*	1·52	4·2	96	1·26	3·5	90	1·50	4·1	93	1·37	3·8	93	1·23	3·4	91	1·25	3·4	89	*1·36*	*3·7*	*87*	1·08	3·0	84	1·27	3·5	88	1·23	3·3	87	1·81	5·0	97	1·31	3·6	91
1887	*0·88*	*2·4*	*79*	1·37	3·8	104	*1·53*	*4·2*	*106*	1·70	4·7	108	1·55	4·3	111	1·68	4·6	104	1·57	4·3	107	1·48	4·1	110	1·52	4·2	108	1·84	5·1	118	1·37	3·8	107	1·71	4·7	119	1·58	4·3	112	2·12	5·8	113	1·58	4·3	110
1888	*1·03*	*2·8*	*93*	1·23	3·4	93	*1·24*	*3·4*	*86*	1·27	3·5	80	1·17	3·2	84	1·25	3·4	77	1·23	3·4	84	1·28	3·5	95	1·20	3·3	85	*1·37*	*3·8*	*88*	1·17	3·2	91	1·39	3·8	97	1·28	3·5	91	1·71	4·7	91	1·26	3·5	87
1889	0·86	2·4	77	1·22	3·4	92	*1·27*	*3·5*	*88*	1·33	3·7	84	1·22	3·3	87	1·30	3·6	80	1·27	3·5	86	1·29	3·5	96	1·24	3·4	88	*1·39*	*3·8*	*89*	1·12	3·1	88	1·38	3·8	96	1·28	3·5	91	1·72	4·7	92	1·28	3·5	89
1890§	1·04	2·9	94	*1·28*	*3·5*	*97*	*1·37*	*3·8*	*95*	1·54	4·2	97	1·36	3·7	97	1·47	4·0	91	1·40	3·8	95	1·29	3·5	96	1·24	3·4	88	*1·41*	*3·9*	*90*	1·26	3·5	98	1·38	3·8	96	1·31	3·6	93	1·83	5·0	98	1·35	3·7	94
1891	*1·20*	*3·3*	*108*	*1·38*	*3·8*	*105*	*1·36*	*3·7*	*94*	1·44	4·0	91	1·35	3·7	96	1·56	4·3	96	1·42	3·9	97	1·37	3·8	101	1·26	3·5	89	*1·51*	*4·1*	*97*	1·35	3·7	105	1·49	4·1	103	1·40	3·8	99	2·04	5·6	109	1·41	3·9	98
1892	*1·16*	*3·2*	*105*	*1·41*	*3·9*	*107*	*1·45*	*4·0*	*101*	1·53	4·2	97	1·47	4·0	105	1·68	4·6	104	1·51	4·1	103	1·42	3·9	105	1·43	3·9	101	*1·61*	*4·4*	*103*	1·31	3·6	102	1·45	4·0	101	1·44	4·0	102	1·99	5·5	106	1·48	4·1	103
1893	*1·04*	*2·9*	*94*	*1·44*	*4·0*	*109*	1·73	4·8	120	1·83	5·0	116	1·72	4·7	123	1·88	5·2	116	1·72	4·7	117	1·54	4·2	114	1·50	4·1	106	*1·82*	*5·0*	*117*	1·38	3·8	108	1·53	4·2	106	1·55	4·3	110	2·30	6·3	123	1·64	4·5	114
1894	*1·19*	*3·3*	*107*	*1·36*	*3·7*	*103*	*1·45*	*4·0*	*101*	1·46	4·0	92	1·33	3·7	95	1·58	4·3	98	1·44	4·0	98	1·35	3·7	100	*1·29*	*3·5*	*91*	*1·52*	*4·2*	*97*	1·26	3·5	98	1·37	3·8	95	1·36	3·7	97	1·76	4·8	94	1·40	3·8	97
1895	*1·14*	*3·1*	*103*	*1·43*	*3·9*	*108*	*1·63*	*4·5*	*113*	1·71	4·7	108	1·58	4·3	113	1·78	4·9	110	1·63	4·5	111	1·41	3·9	104	*1·43*	*3·9*	*101*	*1·72*	*4·7*	*110*	1·36	3·7	106	1·51	4·1	105	1·49	4·1	106	2·03	5·6	109	1·56	4·3	108
1896§	*1·03*	*2·8*	*93*	*1·31*	*3·6*	*99*	*1·37*	*3·8*	*95*	1·49	4·1	94	1·35	3·7	96	1·60	4·4	99	1·42	3·9	97	1·35	3·7	100	*1·32*	*3·6*	*94*	*1·64*	*4·5*	*105*	1·23	3·4	96	1·44	4·0	100	1·39	3·8	99	1·91	5·2	102	1·41	3·9	97
1897	1·30	3·6	117	*1·42*	*3·9*	*108*	*1·59*	*4·4*	*110*	1·61	4·4	102	1·52	4·2	109	1·70	4·7	105	1·57	4·3	107	1·40	3·8	104	1·53	4·2	109	*1·54*	*4·2*	*99*	1·30	3·6	102	1·44	4·0	100	1·44	4·0	102	1·75	4·8	94	1·51	4·1	105
1898	1·23	3·4	111	*1·38*	*3·8*	*105*	*1·37*	*3·8*	*95*	1·56	4·3	99	1·39	3·8	99	1·54	4·2	95	1·45	4·0	99	1·32	3·6	98	1·43	3·9	101	*1·62*	*4·5*	*104*	1·30	3·6	102	1·49	4·1	103	1·43	3·9	101	1·97	5·4	105	1·44	4·0	100
1899	1·21	3·3	109	*1·41*	*3·9*	*107*	*1·52*	*4·2*	*106*	1·86	5·1	118	1·63	4·5	116	1·98	5·4	122	1·68	4·6	114	1·35	3·7	100	1·61	4·4	114	*1·80*	*4·9*	*115*	1·41	3·9	110	1·61	4·4	112	1·56	4·3	111	2·12	5·8	113	1·62	4·5	113
1900	1·09	3·0	98	*1·22*	*3·4*	*92*	*1·34*	*3·7*	*93*	1·68	4·6	106	1·40	3·8	100	1·74	4·8	107	1·48	4·1	101	1·30	3·6	96	1·49	4·1	106	*1·63*	*4·5*	*105*	1·31	3·6	102	1·46	4·0	101	1·44	4·0	102	1·93	5·3	103	1·46	4·0	101
1901	1·27	3·5	114	1·46	4·0	111	*1·71*	*4·7*	*119*	1·82	5·0	115	1·49	4·1	106	*1·77*	*4·9*	*109*	1·65	4·5	112	1·52	4·2	113	1·68	4·6	119	*1·63*	*4·5*	*105*	1·36	3·7	106	1·49	4·1	103	1·54	4·2	109	1·92	5·3	103	1·60	4·4	111
1902§	1·10	3·0	99	1·13	3·1	86	*1·35*	*3·7*	*94*	1·56	4·3	99	1·29	3·5	92	*1·49*	*4·1*	*92*	1·36	3·7	93	1·24	3·4	92	1·44	4·0	102	*1·44*	*4·0*	*92*	1·24	3·4	97	1·40	3·8	97	1·35	3·7	96	1·73	4·8	93	1·36	3·7	94
1903	1·04	2·9	94	1·17	3·2	89	1·42	3·9	99	1·45	4·0	92	1·26	3·5	90	1·53	4·2	94	1·37	3·8	93	1·30	3·6	96	1·39	3·8	99	*1·43*	*3·9*	*92*	1·19	3·3	93	1·34	3·7	93	1·33	3·7	94	1·75	4·8	94	1·35	3·7	94
1904	1·18	3·2	106	1·28	3·5	97	1·45	4·0	101	1·66	4·6	105	1·39	3·8	99	1·62	4·5	100	1·48	4·1	101	1·32	3·6	98	1·44	4·0	102	1·54	4·2	99	1·24	3·4	97	1·36	3·7	94	1·38	3·8	98	1·83	5·0	98	1·43	3·9	99
1905	1·14	3·1	103	1·37	3·8	104	1·52	4·2	106	1·64	4·5	104	1·42	3·9	101	1·60	4·4	99	1·51	4·1	103	1·50	4·1	111	1·49	4·1	106	1·58	4·3	101	1·42	3·9	111	1·41	3·9	98	1·48	4·1	105	1·75	4·8	94	1·50	4·1	104
1906	1·17	3·2	105	1·44	4·0	109	1·60	4·4	111	1·81	5·0	115	1·56	4·3	111	1·86	5·1	115	1·65	4·5	112	1·44	4·0	107	1·52	4·2	108	1·71	4·7	110	1·36	3·7	106	1·50	4·1	104	1·51	4·1	107	1·94	5·3	104	1·58	4·3	110
1907	1·12	3·1	101	1·31	3·6	99	1·48	4·1	103	1·57	4·3	99	1·40	3·8	100	1·63	4·5	101	1·48	4·1	101	1·25	3·4	93	1·37	3·8	97	1·52	4·2	97	1·22	3·4	95	1·33	3·7	92	1·34	3·7	95	1·77	4·9	95	1·41	3·9	98
1908§	1·07	2·9	96	1·28	3·5	97	1·40	3·8	97	1·58	4·3	100	1·38	3·8	99	1·73	4·8	107	1·47	4·0	100	1·29	3·5	96	1·48	4·1	105	1·61	4·4	103	1·29	3·5	101	1·36	3·7	94	1·41	3·9	100	1·88	5·2	101	1·44	4·0	100
1909	1·16	3·2	105	1·33	3·7	101	1·40	4·0	97	1·62	4·5	103	1·45	4·0	104	1·74	4·8	107	1·51	4·1	103	1·43	3·9	106	1·51	4·1	107	1·70	4·7	109	1·29	3·5	101	1·51	4·1	105	1·49	4·1	106	1·98	5·4	106	1·50	4·1	104
1910	1·18	3·2	106	1·33	3·7	101	1·36	3·7	94	1·47	4·0	93	1·33	3·7	95	1·53	4·2	94	1·40	3·8	95	1·36	3·7	101	1·44	4·0	102	1·53	4·2	98	1·29	3·5	101	1·37	3·8	95	1·40	3·8	99	1·74	4·8	93	1·40	3·8	97
1911	1·26	3·5	114	1·48	4·1	112	1·60	4·4	111	1·80	4·9	114	1·59	4·4	114	1·93	5·3	119	1·68	4·6	114	1·54	4·2	114	1·68	4·6	119	1·84	5·1	118	1·52	4·2	119	1·63	4·5	113	1·64	4·5	116	2·03	5·6	109	1·66	4·6	115
1912	1·01	2·8	91	1·02	2·8	77	1·12	3·1	78	1·38	3·8	87	1·13	3·1	81	1·44	4·0	89	1·22	3·4	83	1·15	3·2	85	1·21	3·3	86	1·26	3·5	81	1·11	3·1	87	1·26	3·5	87	1·20	3·3	85	1·61	4·4	86	1·21	3·3	84
1913§	1·01	2·8	91	1·21	3·3	92	1·27	3·5	88	1·41	3·9	89	1·18	3·2	84	1·45	4·0	89	1·32	3·6	90	1·21	3·3	90	1·36	3·7	95	1·40	3·8	90	1·19	3·3	93	1·30	3·6	90	1·29	3·5	92	1·61	4·4	86	1·29	3·5	90
1914	1·08	3·0	97	1·38	3·8	105	1·52	4·2	106	1·68	4·6	106	1·46	4·0	104	1·80	4·9	111	1·57	4·3	107	1·31	3·6	97	1·49	4·1	106	1·62	4·4	104	1·27	3·5	99	1·45	4·0	101	1·43	3·9	101	1·78	4·9	95	1·50	4·1	104
1915	1·16	3·2	105	1·34	3·7	102	1·48	4·1	103	1·58	4·3	100	1·42	3·9	101	1·59	4·4	98	1·48	4·1	101	1·47	4·0	109	1·57	4·3	111	1·56	4·3	100	1·31	3·6	102	1·46	4·0	101	1·48	4·1	105	1·77	4·8	95	1·48	4·1	103
1916	0·91	2·5	82	1·11	3·0	84	1·21	3·3	84	1·29	3·5	82	1·19	3·3	85	1·45	4·0	89	1·24	3·4	84	1·25	3·4	93	1·23	3·4	87	1·43	3·9	92	1·14	3·1	89	1·30	3·6	90	1·28	3·5	91	1·74	4·8	93	1·26	3·4	87
1917	1·11	3·0	100	1·32	3·6	100	1·38	3·8	96	1·58	4·3	100	1·31	3·6	94	1·60	4·4	99	1·45	4·0	99	1·29	3·5	96	1·35	3·7	96	1·53	4·2	98	1·20	3·3	94	1·33	3·6	92	1·34	3·7	95	1·77	4·8	95	1·40	3·8	97
1918	1·06	2·9	95	1·26	3·5	95	1·39	3·8	97	1·55	4·2	98	1·35	3·7	96	1·63	4·5	101	1·44	3·9	98	1·31	3·6	97	1·43	3·9	101	1·60	4·4	103	1·29	3·5	101	1·46	4·0	101	1·42	3·9	101	1·95	5·3	104	1·43	3·9	99
1919	1·11	3·0	100	1·39	3·8	105	1·37	3·8	95	1·50	4·1	95	1·38	3·8	99	1·53	4·2	94	1·44	3·9	98	1·46	4·0	108	1·42	3·9	101	1·62	4·4	104	1·36	3·7	106	1·48	4·1	103	1·46	4·0	103	1·77	4·8	95	1·45	4·0	101
1920	1·17	3·2	105	1·33	3·6	101	1·29	3·5	90	1·53	4·2	97	1·15	3·1	82	1·43	3·9	88	1·35	3·7	92	1·14	3·1	84	1·24	3·4	88	1·33	3·6	85	1·12	3·1	88	1·24	3·4	86	1·21	3·3	86	1·66	4·5	89	1·28	3·5	89
LUSTRA. 1881-1885	1·08	3·0	97	1·33	3·7	101	1·41	3·9	98	1·54	4·2	98	1·39	3·8	99	1·54	4·2	95	1·44	4·0	98	1·33	3·7	99	1·32	3·6	94	1·51	4·1	97	1·26	3·5	98	1·45	4·0	101	1·38	3·8	98	1·89	5·2	101	1·41	3·9	98
1886-1890	0·99	2·7	89	1·28	3·5	97	1·34	3·7	93	1·47	4·0	93	1·31	3·6	94	1·44	4·0	89	1·37	3·8	93	1·31	3·6	97	1·29	3·5	91	1·47	4·0	94	1·20	3·3	94	1·43	3·9	99	1·34	3·7	95	1·84	5·1	98	1·36	3·7	94
1891-1895	1·15	3·2	104	1·40	3·8	106	1·52	4·2	106	1·59	4·4	101	1·49	4·1	106	1·70	4·7	105	1·54	4·2	105	1·42	3·9	105	1·38	3·8	98	1·64	4·5	105	1·33	3·7	104	1·47	4·0	102	1·45	4·0	103	2·02	5·5	108	1·50	4·1	104
1896-1900	1·17	3·2	105	1·35	3·7	102	1·44	4·0	100	1·64	4·5	104	1·46	4·0	104	1·71	4·7	105	1·52	4·2	103	1·34	3·7	99	1·48	4·1	105	1·65	4·5	106	1·31	3·6	102	1·49	4·1	103	1·45	4·0	103	1·94	5·3	104	1·49	4·1	103
1901-1905	1·15	3·2	104	1·28	3·5	97	1·49	4·1	104	1·63	4·5	103	1·37	3·8	98	1·60	4·4	99	1·47	4·0	100	1·38	3·8	102	1·49	4·1	106	1·52	4·2	97	1·29	3·5	101	1·40	3·8	97	1·42	3·9	101	1·80	4·9	96	1·45	4·0	101
1906-1910	1·14	3·1	103	1·34	3·7	102	1·45	4·0	101	1·61	4·4	102	1·42	3·9	101	1·70	4·7	105	1·50	4·1	102	1·35	3·7	100	1·46	4·0	104	1·61	4·4	103	1·29	3·5	101	1·41	3·9	98	1·43	3·9	101	1·86	5·1	99	1·46	4·0	101
1911-1915	1·10	3·0	99	1·29	3·5	98	1·40	3·8	97	1·57	4·3	99	1·36	3·7	97	1·64	4·5	101	1·45	4·0	99	1·34	3·7	99	1·46	4·0	104	1·54	4·2	99	1·28	3·5	100	1·42	3·9	99	1·41	3·9	100	1·76	4·8	94	1·43	3·9	99
1916-1920	1·07	2·9	96	1·28	3·5	97	1·33	3·6	92	1·49	4·1	94	1·28	3·5	91	1·53	4·2	94	1·38	3·8	94	1·20	3·5	96	1·33	3·7	94	1·50	4·1	96	1·22	3·3	95	1·36	3·7	94	1·34	3·7	95	1·78	4·9	95	1·36	3·7	*94

The maximum and minimum values in each column are shown in heavy type.

§ Year containing 53 weeks. Totals Adjusted.

Values which have been revised in order to reduce discontinuities caused by changes in the list of stations are shown in italic type.

METEOROLOGICAL OFFICE, AIR MINISTRY, LONDON: G. C. SIMPSON, F.R.S., DIRECTOR.

27th July, 1923.

METEOROLOGICAL OFFICE
5 OCT 1921
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WEEKLY WEATHER REPORT, 1920. APPENDIX II.

Price 1s.

TABLE I.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF RAIN-DAYS IN EACH DISTRICT DURING THE YEAR 1920.

1920.		0. Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 Combined.	
Weeks. No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 4, 1920.	For the Week	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.
		Numbers of Rain-days—1920.																											
	1920																												
1	Jan. 4–Jan 10	5	5	4	4	4	4	3	3	4	4	4	4	4	4	5	5	4	4	4	4	5	5	5	5	5	5	4	4	5	5
2	,, 11– ,, 17	6	11	5	9	4	8	5	8	5	9	5	9	5	9	7	12	5	9	6	10	6	11	6	11	6	11	6	10	5	10
3	,, 18– ,, 24	6	17	5	14	5	13	4	12	5	14	5	14	5	14	7	19	5	14	5	15	7	18	6	17	6	17	5	15	6	16
4	Jan. 25– ,, 31	6	23	6	20	6	19	5	17	6	20	6	20	6	20	6	25	6	20	7	22	7	25	7	24	6	23	6	21	6	22
5	Feb. 1–Feb. 7	5	28	2	22	2	21	1	18	2	22	2	22	2	22	4	29	3	23	2	24	4	29	5	29	4	27	1	22	3	25
6	,, 8– ,, 14	7	35	6	28	4	25	4	22	5	27	5	27	5	27	7	36	6	29	6	30	7	36	6	35	6	33	5	27	5	30
7	,, 15– ,, 21	5	40	5	33	4	29	2	24	3	30	3	30	3	30	4	40	3	32	3	33	5	41	4	39	4	37	1	28	4	34
8	Feb. 22–Feb. 28	4	44	3	36	2	31	3	27	3	33	2	32	3	33	4	44	3	35	3	36	4	45	4	43	3	40	2	30	3	37
	Winter Totals	71		61		56		55		59		59		58		73		62		68		78		74		71		61		65	
9	Feb. 29–Mar. 6	6	50	5	41	3	34	3	30	4	37	4	36	4	37	6	50	4	39	5	41	5	50	4	47	5	45	4	34	4	41
10	Mar. 7– ,, 13	5	55	4	45	5	39	5	35	5	42	4	40	5	42	6	56	5	44	5	46	6	56	6	53	6	51	5	39	6	47
11	,, 14– ,, 20	6	61	4	49	3	42	3	38	3	45	3	43	3	45	4	60	3	47	4	50	5	61	4	57	4	55	4	43	3	50
12	,, 21– ,, 27	5	66	4	53	4	46	3	41	4	49	4	47	4	49	5	65	5	52	5	55	5	66	6	63	5	60	4	47	5	55
13	Mar. 28–Apl. 3	4	70	7	60	6	52	3	44	6	55	5	52	5	54	6	71	7	59	6	61	5	71	4	67	5	65	6	53	5	60
14	Apl. 4– ,, 10	4	74	4	64	6	58	6	50	6	61	6	58	6	60	4	75	6	65	6	67	3	74	5	72	5	70	4	57	5	65
15	,, 11– ,, 17	3	77	5	69	6	64	7	57	6	67	6	64	6	66	5	80	6	71	7	74	5	79	6	78	6	76	6	63	6	71
16	,, 18– ,, 24	5	82	4	73	6	70	5	62	5	72	4	68	5	71	7	87	6	77	5	79	7	86	6	84	6	82	5	68	6	77
17	Apl. 25–May 1	6	88	6	79	5	75	6	68	5	77	5	73	5	76	5	92	6	83	5	84	6	92	6	90	6	88	4	72	5	82
18	May 2– ,, 8	7	95	5	84	5	80	3	71	4	81	4	77	4	80	7	99	6	89	5	89	7	99	7	97	6	94	4	76	5	87
19	,, 9– ,, 15	5	100	4	88	2	82	1	72	2	83	2	79	2	82	4	103	2	91	2	91	5	104	3	100	3	97	2	78	3	90
20	,, 16– ,, 22	6	106	5	93	3	85	3	75	4	87	2	81	3	85	6	109	4	95	4	95	6	110	5	105	5	102	2	80	4	94
21	May 23– ,, 29	2	108	3	96	3	88	3	78	3	90	2	83	3	88	3	112	4	99	3	98	3	113	3	108	3	105	4	84	3	97
	Spring Totals	64		60		57		51		57		51		55		68		64		62		68		65		65		54		60	
22	May 30–June 5	3	111	3	99	2	90	2	80	2	92	1	84	2	90	3	115	3	102	1	99	3	116	1	109	2	107	0	84	2	99
23	June 6– ,, 12	0	111	1	100	1	91	1	81	2	94	3	87	2	92	1	116	2	104	3	102	2	118	3	112	2	109	4	88	2	101
24	,, 13– ,, 19	1	112	1	101	2	93	3	84	5	99	3	90	3	95	4	120	5	109	5	107	4	122	4	116	4	113	4	92	3	104
25	,, 20– ,, 26	5	117	3	104	3	96	2	86	2	101	1	91	3	98	4	124	2	111	3	110	5	127	4	120	4	117	1	93	4	108
26	June 27–July 3	4	121	5	109	6	102	4	90	6	107	4	95	5	103	6	130	6	117	6	116	5	132	5	125	6	123	5	98	5	113
27	July 4– ,, 10	5	126	6	115	7	109	6	96	7	114	6	101	6	109	6	136	7	124	7	123	5	137	5	130	6	129	5	103	6	119
28	,, 11– ,, 17	6	132	5	120	4	113	3	99	4	118	3	104	4	113	6	142	5	129	5	128	6	143	6	136	6	135	3	106	5	124
29	,, 18– ,, 24	6	138	5	125	5	118	3	102	4	122	3	107	4	117	5	147	5	134	5	133	6	149	7	143	6	141	3	109	5	129
30	July 25– ,, 31	5	143	5	130	5	123	5	107	6	128	5	112	5	122	6	153	5	139	6	139	6	155	6	149	6	147	5	114	6	135
31	Aug. 1–Aug. 7	5	148	4	134	3	126	4	111	3	131	3	115	3	125	6	159	5	144	4	143	6	161	6	155	5	152	3	117	4	139
32	,, 8– ,, 14	3	151	3	137	3	129	2	113	3	134	1	116	2	127	2	161	3	147	1	144	4	165	4	159	3	155	1	118	2	141
33	,, 15– ,, 21	4	155	5	142	3	132	3	116	3	137	2	118	3	130	4	165	4	151	2	146	4	169	3	162	3	158	2	120	3	144
34	Aug. 22– ,, 28	2	157	1	143	1	133	1	117	2	139	2	120	1	131	2	167	2	153	1	147	3	172	2	164	2	160	1	121	2	146
	Summer Totals	49		47		45		39		49		37		43		55		54		49		59		56		55		37		49	
35	Aug. 29–Sept. 4	4	161	4	147	3	136	4	121	3	142	2	122	3	134	5	172	5	158	3	150	5	177	4	168	4	164	2	123	3	149
36	Sept. 5– ,, 11	5	166	4	151	2	138	1	122	1	143	1	123	2	136	5	177	3	161	1	151	5	182	3	171	3	167	0	123	3	152
37	,, 12– ,, 18	4	170	5	156	5	143	6*	128	5	148	5	128	5	141	6	183	5	166	5	156	7	189	6	177	6	173	5	128	5	157
38	,, 19– ,, 25	5	175	2	158	3	146	5	133	3	151	4	132	3	144	2	185	2	168	2	158	3	192	3	180	2	175	4	132	3	160
39	Sept. 26–Oct. 2	4	179	4	162	4	150	3	136	3	154	3	135	3	147	3	188	3	171	3	161	4	196	5	185	4	179	4	136	3	163
40	Oct. 3– ,, 9	4	183	5	167	4	154	1	137	4	158	3	138	3	150	4	192	4	175	4	165	4	200	4	189	4	183	4	140	4	167
41	,, 10– ,, 16	2	185	3	170	2	156	3	140	3	161	3	141	3	153	3	195	2	177	4	169	4	204	5	194	4	187	4	144	3	170
42	,, 17– ,, 23	2	187	1	171	2	158	1	141	2	163	1	142	1	154	2	197	1	178	2	171	3	207	4	198	2	189	3	147	2	172
43	Oct. 24– ,, 30	1	188	2	173	1	159	1	142	1	164	0	142	1	155	1	198	0	178	1	172	1	208	1	199	1	190	1	148	1	173
44	Oct. 31–Nov. 6	3	191	2	175	1	160	1	143	2	166	2	144	2	157	3	201	3	181	2	174	6	214	5	204	4	194	3	151	3	176
45	Nov. 7 – ,, 13	6	197	4	179	2	162	2	145	3	169	2	146	3	160	6	207	4	185	3	177	6	220	5	209	5	199	2	153	4	180
46	,, 14– ,, 20	6	203	4	183	2	164	3	148	3	172	3	149	3	163	4	211	3	188	3	180	5	225	5	214	4	203	3	156	3	183
47	Nov. 21– ,, 27	2	205	2	185	2	166	2	150	3	175	2	151	2	165	3	214	2	190	3	183	4	229	4	218	3	206	2	158	3	186
	Autumn Totals	48		42		33		33		36		31		35		47		37		36		57		54		46		37		40	
48	Nov. 28–Dec. 4	6	211	5	190	6	172	7	157	6	181	6	157	6	171	6	220	6	196	5	188	6	235	6	224	6	212	7	165	6	192
49	Dec. 5– ,, 11	3	214	3	193	5	177	5	162	2	183	4	161	4	175	4	224	4	200	2	190	3	238	2	226	3	215	4	169	3	195
50	,, 12– ,, 18	1	215	3	196	5	182	6	168	3	186	3	164	4	179	2	226	2	202	2	192	2	240	1	227	2	217	4	173	3	198
51	,, 19– ,, 25	5	220	5	201	3	185	5	173	4	190	5	169	4	183	6	232	5	207	6	198	6	246	6	233	6	223	5	178	5	203
52	Dec. 26–Jan. 1	6	226	6	207	7	192	6	179	7	197	7	176	7	190	7	239	6	213	7	205	6	252	6	239	6	229	7	185	6	209

NOTE.—The "day" for rainfall is from 9h. on the civil day named till 9h. the following morning.
A "rain-day" is a day on which the precipitation during this period amounts to 0·2 mm. or more.

(731) Wt.24/561/P25 375. 9.21. B.&F.Ltd. G93/21.

TABLE II.—SHOWING THE WEEKLY AND PROGRESSIVE AMOUNTS OF **RAINFALL** IN EACH DISTRICT DURING THE YEAR, 1920.

1920.		0 Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 Combined.	
Weeks.																													
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.
Rainfall in Millimetres—1920.																													
	1920.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.
1	Jan. 4–Jan. 10	52	52	18	18	17	17	14	14	25	25	24	24	20	20	37	37	26	26	43	43	32	32	33	33	34	34	17	17	27	27
2	,, 11– ,, 17	67	119	14	32	10	27	13	27	11	36	17	41	13	33	38	75	18	44	29	72	26	58	20	53	26	60	29	46	20	47
3	,, 18– ,, 24	37	156	18	50	10	37	7	34	6	42	6	47	9	42	43	118	24	68	9	81	27	85	33	86	27	87	10	56	18	65
4	Jan. 25– ,, 31	53	209	22	72	22	59	21	55	37	79	33	80	27	69	34	152	32	100	50	131	34	119	49	135	40	127	36	92	33	98
5	Feb. 1–Feb. 7	62	271	4	76	1	60	1	56	1	80	2	82	2	71	13	165	8	108	3	134	13	132	14	149	10	137	2	94	6	104
6	,, 8– ,, 14	83	354	29	105	6	66	4	60	12	92	7	89	12	83	63	228	28	136	19	153	28	160	21	170	32	169	8	102	22	126
7	,, 15– ,, 21	40	394	23	128	21	87	6	66	24	116	5	94	16	99	24	252	25	161	10	163	21	181	18	188	20	189	1	103	18	144
8	Feb. 22– ,, 28	33	427	3	131	2	89	3	69	3	119	2	96	2	101	10	262	6	167	4	167	8	189	8	196	7	196	5	108	5	149
	Winter Totals	595		243		169		175		227		225		208		497		305		370		378		360		382		258		295	
9	Feb. 29–Mar. 6	66	493	20	151	8	97	6	75	8	127	7	103	10	111	36	298	20	187	11	178	30	219	23	219	24	220	5	113	17	166
10	Mar. 7– ,, 13	21	514	6	157	5	102	8	83	10	137	10	113	8	119	18	316	14	201	24	202	20	239	28	247	21	241	19	132	14	180
11	,, 14– ,, 20	39	553	16	173	25	127	10	93	18	155	9	122	16	135	13	329	11	212	15	217	10	249	9	256	12	253	9	141	14	194
12	,, 21– ,, 27	30	583	25	198	18	145	4	97	14	169	8	130	14	149	51	380	52	264	25	242	29	278	36	292	39	292	12	153	27	221
13	Mar. 28–Apl. 3	17	600	33	231	25	170	13	110	24	193	14	144	22	171	20	400	30	294	36	278	10	288	9	301	21	313	24	177	21	242
14	Apl. 4– ,, 10	14	614	5	236	24	194	28	138	31	224	14	158	20	191	12	412	27	321	31	309	7	295	40	341	23	336	12	189	22	264
15	,, 11– ,, 17	9	623	13	249	20	214	21	159	37	261	29	187	24	215	22	434	25	346	45	354	21	316	32	373	29	365	34	223	26	290
16	,, 18– ,, 24	18	641	8	257	18	232	13	172	19	280	17	204	15	230	28	462	19	365	20	374	23	339	26	399	23	388	11	234	19	309
17	Apl. 25–May 1	34	675	23	280	16	248	12	184	17	297	13	217	16	246	26	488	30	395	20	394	28	367	27	426	26	414	12	246	21	330
18	May 2– ,, 8	38	713	14	294	7	255	7	191	10	307	10	227	10	256	41	529	25	420	22	416	24	391	32	458	29	443	9	255	19	349
19	,, 9– ,, 15	22	735	9	303	5	260	1	192	8	315	3	230	5	261	14	543	9	429	9	425	15	406	10	468	11	454	6	261	8	357
20	,, 16– ,, 22	25	760	14	317	7	267	5	197	9	324	8	238	9	270	39	582	23	452	13	438	29	435	19	487	25	479	4	265	17	374
21	May 23– ,, 29	8	768	27	344	42	309	16	213	22	346	12	250	24	294	11	593	32	484	7	445	7	442	14	501	14	493	17	282	19	393
	Spring Totals	341		213		220		144		227		154		192		331		317		278		253		305		297		174		244	
22	May 30–June 5	15	783	9	353	3	312	4	217	2	348	1	251	4	298	10	603	5	489	1	446	5	447	1	502	4	497	0	282	4	397
23	June 6– ,, 12	0	783	0	353	1	313	4	221	21	369	21	272	9	307	9	612	19	508	18	464	19	466	16	518	16	513	18	300	13	410
24	,, 13– ,, 19	4	787	7	360	14	327	10	231	28	397	7	279	13	320	20	632	27	535	22	486	14	480	9	527	18	531	20	320	15	425
25	,, 20– ,, 26	14	801	4	364	7	334	13	244	6	403	15	294	9	329	8	640	2	537	9	495	8	488	8	535	7	538	9	329	8	433
26	June 27–July 3	16	817	33	397	33	367	15	259	43	446	17	311	28	357	45	685	42	579	46	541	25	513	28	563	37	575	25	354	33	466
27	July 4– ,, 10	22	839	31	428	28	395	25	284	34	480	47	358	33	390	22	707	26	605	46	587	24	537	28	591	29	604	29	383	31	497
28	,, 11– ,, 17	31	870	14	442	13	408	8	292	9	489	13	371	11	401	26	733	22	627	13	600	22	559	22	613	21	625	10	393	16	513
29	,, 18– ,, 24	24	894	10	452	18	426	24	316	16	505	23	394	18	419	15	748	33	666	19	619	16	575	25	638	22	647	5	398	20	533
30	July 25– ,, 31	22	916	10	462	18	444	17	333	23	528	15	409	16	435	26	774	39	699	33	652	22	597	33	671	31	678	23	421	23	556
31	Aug. 1–Aug. 7	27	943	26	488	18	462	11	344	18	546	17	426	18	453	58	832	27	726	27	679	27	624	35	706	35	713	19	440	27	583
32	,, 8– ,, 14	11	954	20	508	6	468	6	350	7	553	1	427	8	461	8	840	6	732	5	684	11	635	11	717	8	721	2	442	8	591
33	,, 15– ,, 21	27	981	51	559	15	483	19	369	6	559	19	446	22	483	51	891	15	747	10	694	19	654	8	725	21	742	9	451	22	613
34	Aug. 22– ,, 28	2	983	1	560	0	483	2	371	3	562	2	448	2	485	5	896	6	753	2	696	9	663	2	727	5	747	1	452	3	616
	Summer Totals	215		216		174		158		216		198		192		308		269		251		221		226		254		170		223	
35	Aug. 29–Sept. 4	16	999	11	571	6	489	5	376	7	569	2	450	6	491	21	917	20	773	7	703	19	682	10	737	15	762	3	455	11	627
36	Sept. 5– ,, 11	30	1029	11	582	1	490	3	379	2	571	1	451	4	495	27	944	8	781	1	704	15	697	6	743	11	773	0	455	7	634
37	,, 12– ,, 18	21	1050	24	606	20	510	31	410	32	603	37	488	29	524	31	975	27	808	37	741	24	721	26	769	29	802	27	482	29	663
38	,, 19– ,, 25	21	1071	4	610	5	515	18	428	3	606	20	508	10	534	5	980	8	816	3	744	8	729	5	774	6	808	45	527	8	671
39	Sept. 26–Oct. 2	16	1087	18	628	17	532	14	442	15	621	19	527	17	551	15	995	17	833	24	768	25	754	35	809	23	831	25	532	20	691
40	Oct. 3– ,, 9	21	1108	29	657	22	554	1	443	22	643	14	541	17	568	52	1047	26	859	34	802	44	798	49	858	41	872	17	569	29	726
41	,, 10– ,, 16	1	1109	4	661	6	560	8	451	18	661	14	555	10	578	3	1050	9	868	35	837	14	812	29	887	18	890	18	587	14	734
42	,, 17– ,, 23	3	1112	1	662	1	561	1	452	3	664	1	556	1	579	4	1054	0	868	9	846	10	822	25	912	10	900	14	601	6	740
43	Oct. 24– ,, 30	5	1117	1	663	0	561	1	453	1	665	0	556	1	580	13	1067	0	868	3	849	18	840	19	931	11	911	10	611	6	746
44	Oct. 31–Nov. 6	17	1134	3	666	2	563	2	455	13	678	14	570	7	587	15	1082	8	876	18	867	22	862	15	946	16	927	19	630	11	757
45	Nov. 7– ,, 13	61	1195	18	684	4	567	1	456	3	681	2	572	5	592	37	1119	13	889	5	872	20	882	15	961	18	945	8	638	12	769
46	,, 14– ,, 20	66	1261	23	707	5	572	8	464	10	691	11	583	12	604	32	1151	15	904	16	888	32	914	19	980	23	968	6	644	17	786
47	Nov. 21– ,, 27	11	1272	12	719	6	578	5	469	7	698	7	590	7	611	24	1175	4	908	17	905	23	937	27	1007	19	987	9	653	13	799
	Autumn Totals	289		159		95		98		136		142		126		279		155		209		274		280		240		201		183	
48	Nov. 28–Dec. 4	38	1310	33	752	24	602	17	486	21	719	26	616	24	635	54	1229	18	926	35	940	44	981	45	1052	39	1026	26	679	32	831
49	Dec. 5– ,, 11	8	1318	6	758	9	611	14	500	2	721	5	621	7	642	13	1242	3	929	4	944	3	984	4	1056	5	1031	12	691	6	837
50	,, 12– ,, 18	2	1320	8	766	13	624	11	511	4	725	4	625	8	650	3	1245	3	932	4	948	3	987	2	1058	3	1034	11	702	5	842
51	,, 19– ,, 25	51	1371	17	783	6	630	11	522	17	742	27	652	16	666	27	1272	26	958	38	986	20	1007	36	1094	29	1063	23	725	23	865
52	Dec. 26–Jan. 1	29	1400	28	811	34	664	23	545	42	784	29	681	31	697	46	1318	36	994	51	1037	33	1040	49	1143	43	1106	38	761	37	902

NOTE.—The rainfall week is from 9h. on one Sunday morning to the same hour on the next.

TABLE III.—SHOWING THE WEEKLY AND PROGRESSIVE VALUES OF ACCUMULATED HEAT ABOVE 42° F. IN EACH DISTRICT DURING THE YEAR 1920.

1920.		0. Scotland, N.		Eastern Districts.												Western Districts.																Means for Districts 1-10 Combined.	
				1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.			
Week.	Limiting Dates of each Week.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.
		DAY-DEGREES ABOVE 42°, FAHRENHEIT—1920.																															
1	1920. Jan. 4–Jan. 10	0	0	0	0	3	3	5	5	5	5	6	6	4	4	1	1	5	5	9	9	10	10	16	16	8	8	24	24	6	6
2	,, 11– ,, 17	8	8	10	10	28	31	34	39	37	42	34	40	29	33	25	26	32	37	34	43	36	46	38	54	33	41	43	67	31	37
3	,, 18– ,, 24	4	12	5	15	25	56	23	62	27	69	26	66	21	54	11	37	25	62	27	70	26	72	33	87	24	65	32	99	23	60
4	Jan. 25– ,, 31	2	14	1	16	8	64	15	77	13	82	29	95	13	67	8	45	13	75	28	98	10	82	28	115	17	82	31	130	15	75
5	Feb. 1–Feb. 7	21	35	14	30	12	76	15	92	13	95	23	118	15	82	19	64	22	97	23	121	31	113	30	145	25	107	26	156	20	95
6	,, 8– ,, 14	8	43	11	41	26	102	30	122	28	123	30	148	25	107	20	84	24	121	26	147	28	141	31	176	26	133	34	190	25	120
7	,, 15– ,, 21	6	49	9	50	25	127	34	156	30	153	33	181	26	133	13	97	29	150	29	176	24	165	25	201	24	157	46	236	25	145
8	Feb. 22–Feb. 28	13	62	16	66	16	143	16	172	15	168	31	212	19	152	15	112	14	164	28	204	28	193	32	233	24	181	34	270	22	167
	Winter Totals	82		79		169		232		242		319		208		150		234		335		293		366		275		445		242	
9	Feb. 29–Mar. 6	24	86	32	98	37	180	40	212	38	206	38	250	37	189	24	136	32	196	31	235	29	222	31	264	29	210	44	314	33	200
10	Mar. 7– ,, 13	4	90	2	100	8	188	11	223	10	216	14	264	9	198	7	143	8	204	12	247	12	234	15	279	11	221	22	336	10	210
11	,, 14– ,, 20	14	104	16	116	30	218	38	261	35	251	38	302	32	230	24	167	27	231	33	280	30	264	35	314	30	251	38	374	31	241
12	,, 21– ,, 27	26	130	33	149	48	266	57	318	53	304	51	353	48	278	24	191	34	265	42	322	31	295	34	348	33	284	56	430	40	281
13	Mar. 28–Apl. 3	23	153	11	160	30	296	50	368	43	347	52	405	37	315	24	215	34	299	37	359	30	325	35	383	32	316	49	479	34	315
14	Apl. 4– ,, 10	10	163	13	173	20	316	36	404	27	374	45	450	28	343	25	240	21	320	39	398	26	351	29	412	28	344	59	538	28	343
15	,, 11– ,, 17	25	188	22	195	32	348	51	455	43	417	57	507	41	384	27	267	36	356	46	444	32	383	29	451	36	380	62	600	39	382
16	,, 18– ,, 24	35	223	41	236	39	387	46	501	43	460	45	552	43	427	35	302	38	394	43	487	37	420	41	492	39	419	55	655	41	423
17	Apl. 25–May 1	14	237	20	256	35	422	41	542	39	499	45	597	36	463	31	333	29	423	35	522	30	450	35	527	32	451	55	710	34	457
18	May 2–May 8	32	269	41	297	46	468	50	592	46	545	52	649	47	510	35	368	41	464	46	568	39	489	48	575	42	493	62	772	45	502
19	,, 9– ,, 15	38	307	47	344	57	525	70	662	65	610	78	727	63	573	46	414	62	526	67	635	51	540	62	637	58	551	85	857	60	562
20	,, 16– ,, 22	41	348	48	392	63	588	78	740	67	677	79	806	67	640	54	468	61	587	63	698	56	596	65	702	60	611	77	934	64	626
21	May 23– ,, 29	81	429	91	483	106	694	132	872	130	807	128	934	117	757	108	576	114	701	119	817	88	684	103	805	106	717	123	1057	111	737
	Spring Totals	367		417		551		700		639		722		605		464		537		613		491		572		536		787		570	
22	May 30–June 5	53	482	62	545	90	784	99	971	95	902	104	1038	90	847	74	650	82	783	96	913	71	755	92	897	83	800	102	1159	87	824
23	June 6– ,, 12	61	543	55	600	60	844	73	1044	71	973	82	1120	68	915	81	731	83	866	85	998	81	836	92	989	84	884	101	1260	76	900
24	,, 13– ,, 19	115	658	106	706	119	963	130	1174	125	1098	121	1241	120	1035	132	863	128	994	113	1111	108	944	108	1097	118	1002	118	1378	119	1019
25	,, 20– ,, 26	85	743	94	800	111	1074	122	1296	114	1212	127	1368	114	1149	94	957	105	1099	116	1227	99	1043	109	1206	105	1107	123	1501	109	1128
26	June 27–July 3	75	818	80	880	113	1187	137	1433	119	1331	129	1497	116	1265	88	1045	105	1204	111	1338	88	1131	97	1303	98	1205	122	1623	107	1235
27	July 4– ,, 10	72	890	67	947	89	1276	99	1532	89	1420	100	1597	89	1354	87	1132	94	1298	99	1437	78	1209	96	1399	91	1296	109	1732	90	1325
28	,, 11– ,, 17	90	980	97	1044	120	1396	132	1664	116	1536	131	1728	119	1473	99	1231	110	1408	111	1548	101	1310	105	1504	105	1401	123	1855	112	1437
29	,, 18– ,, 24	86	1066	89	1133	113	1509	128	1792	118	1654	127	1855	115	1588	95	1326	106	1514	111	1659	94	1404	99	1603	101	1502	123	1978	108	1545
30	July 25– ,, 31	74	1140	79	1212	95	1604	97	1889	95	1749	105	1960	94	1682	84	1410	97	1611	98	1757	81	1485	97	1700	92	1594	111	2089	93	1638
31	Aug. 1–Aug. 7	74	1214	77	1289	100	1704	109	1998	99	1848	112	2072	99	1781	83	1493	100	1711	100	1857	86	1571	97	1797	93	1687	118	2207	96	1734
32	,, 8– ,, 14	93	1307	100	1389	115	1819	116	2114	114	1962	121	2193	113	1894	104	1597	109	1820	113	1970	99	1670	111	1908	107	1794	133	2340	110	1844
33	,, 15– ,, 21	64	1371	71	1460	90	1909	102	2216	95	2057	104	2297	93	1987	78	1675	92	1912	96	2066	92	1762	100	2008	92	1886	115	2455	92	1936
34	Aug. 22– ,, 28	79	1450	86	1546	92	2001	88	2304	95	2152	96	2393	91	2078	88	1763	98	2010	105	2171	89	1851	104	2112	97	1983	123	2578	94	2030
	Summer Totals	1021		1033		1307		1432		1345		1459		1321		1187		1309		1354		1167		1307		1266		1521		1293	
35	Aug. 29–Sept. 4	75	1525	71	1617	82	2083	96	2400	89	2241	102	2495	88	2166	95	1858	90	2100	101	2272	104	1955	115	2227	101	2084	118	2696	95	2125
36	Sept. 5– ,, 11	70	1595	74	1691	102	2185	108	2508	109	2350	113	2608	101	2267	91	1949	102	2202	110	2382	99	2054	115	2342	103	2187	128	2824	102	2227
37	,, 12– ,, 18	57	1652	61	1752	90	2275	99	2607	90	2440	104	2712	89	2356	76	2025	90	2292	98	2480	78	2132	90	2432	86	2273	124	2948	87	2314
38	,, 19– ,, 25	47	1699	53	1805	60	2335	78	2685	61	2501	83	2795	67	2423	54	2079	62	2354	74	2554	60	2192	62	2494	62	2335	98	3046	65	2379
39	Sept. 26–Oct. 2	89	1788	92	1897	97	2432	104	2789	85	2586	104	2899	96	2519	102	2181	102	2456	94	2648	95	2287	102	2596	99	2434	113	3159	97	2476
40	Oct. 3– ,, 9	81	1869	78	1975	96	2528	123	2912	103	2689	125	3024	105	2624	90	2271	104	2560	108	2756	81	2368	87	2683	94	2528	118	3277	100	2576
41	,, 10– ,, 16	48	1917	50	2025	75	2603	81	2993	80	2769	99	3123	77	2701	74	2345	84	2644	99	2855	86	2454	95	2778	88	2616	120	3397	82	2658
42	,, 17– ,, 23	48	1965	41	2066	41	2644	48	3041	41	2810	51	3174	45	2746	49	2394	47	2691	62	2917	67	2521	81	2859	61	2677	88	3485	53	2711
43	Oct. 24– ,, 30	38	2003	38	2104	41	2685	46	3087	35	2845	47	3221	42	2788	42	2436	43	2734	44	2961	54	2575	58	2917	48	2725	81	3566	45	2756
44	Oct. 31–Nov. 6	27	2030	22	2126	26	2711	18	3105	15	2860	29	3250	22	2810	27	2463	26	2760	32	2993	38	2613	43	2960	33	2758	53	3619	28	2784
45	Nov. 7– ,, 13	39	2069	45	2171	48	2759	44	3149	43	2903	45	3295	45	2855	55	2518	57	2817	47	3040	57	2670	59	3019	55	2813	56	3675	50	2834
46	,, 14– ,, 20	34	2103	32	2203	31	2790	38	3187	36	2939	41	3336	36	2891	42	2560	43	2860	50	3090	50	2720	55	3074	48	2861	70	3745	42	2876
47	Nov. 21– ,, 27	25	2128	11	2214	9	2799	16	3203	8	2947	28	3364	14	2905	24	2584	25	2885	29	3119	31	2751	35	3109	29	2890	41	3786	22	2898
	Autumn Totals	678		658		798		899		795		971		826		821		875		948		900		997		908		1208		868	
48	Nov. 28–Dec. 1	21	2149	19	2233	23	2822	29	3232	30	2977	36	3400	28	2933	26	2610	32	2917	34	3153	33	2784	36	3145	32	2922	61	3847	30	2928
49	Dec. 5– ,, 11	0	2149	0	2233	0	2822	0	3232	0	2977	0	3400	0	2933	1	2611	0	2917	2	3155	4	2788	6	3151	3	2925	18	3865	2	2930
50	,, 12– ,, 18	0	2149	0	2233	0	2822	0	3232	0	2977	0	3400	0	2933	0	2611	0	2917	0	3155	0	2788	0	3151	0	2925	0	3865	0	2930
51	,, 19– ,, 25	8	2157	2	2235	9	2831	10	3242	11	2988	22	3422	11	2944	12	2623	13	2930	29	3184	26	2814	31	3182	22	2947	32	3897	16	2946
52	Dec. 26–Jan. 1	22	2179	12	2247	33	2864	42	3284	44	3032	60	3482	38	2982	27	2650	43	2973	57	3241	34	2848	46	3228	41	2988	69	3966	39	2985

NOTE.—The method of computing Accumulated Temperature is explained in the Guide to the Tables of the Weekly Weather Report.

Table IV.—Showing the Weekly and Progressive Values of ACCUMULATED COLD below 42° F. in each District During the Year 1920.

1920.		0. Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1–10 Combined.	
	Weeks.			Eastern Districts.												Western Districts.															
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.
	Day Degrees Below 42° Fahrenheit—1920.																														
	1920.																														
1	Jan. 4–Jan. 10	38	38	45	45	39	39	43	43	43	43	40	40	42	42	34	34	34	34	35	35	34	34	31	31	34	34	11	11	38	38
2	„ 11– „ 17	30	68	29	74	11	50	8	51	6	49	0	40	11	53	11	45	8	42	0	35	9	43	2	33	6	40	0	11	9	47
3	„ 18– „ 24	29	97	32	106	16	66	13	64	11	60	8	48	16	69	25	70	9	51	3	38	12	55	4	37	10	50	0	11	13	60
4	Jan. 25– „ 31			35	141	30	96	30	94	30	90	13	61	28	97	27	97	25	76	12	50	32	87	18	55	23	73	2	13	25	85
5	Feb. 1–Feb. 7	11	139	24	165	24	120	25	119	26	116	10	71	22	119	10	107	11	87	7	57	10	97	5	60	9	82	0	13	16	101
6	„ 8– „ 14	29	168	31	196	13	133	15	134	9	125	9	80	15	134	12	119	3	90	3	60	8	105	0	60	5	87	0	13	10	111
7	„ 15– „ 21	32	200	32	228	16	149	15	149	17	142	9	89	18	152	22	141	10	100	5	65	11	116	4	64	10	97	0	13	14	125
8	Feb. 22– „ 28	14	214	33	261	36	185	38	187	38	180	19	108	33	185	24	165	27	127	13	78	14	130	12	76	18	115	0	13	25	150
	Winter Totals	384		470		332		323		295		195		323		288		213		121		224		139		197		16		260	
9	Feb. 29–Mar. 6	6	220	5	266	7	192	15	202	11	191	10	118	9	194	3	168	5	132	8	86	2	132	1	77	4	119	0	13	7	157
10	Mar. 7– „ 13	37	257	43	309	37	229	36	238	36	227	30	148	36	230	34	202	29	161	28	114	35	167	30	107	31	150	7	20	33	190
11	„ 14– „ 20	27	284	26	335	15	244	15	253	15	242	11	159	16	246	12	214	10	171	11	125	15	182	12	119	12	162	0	20	14	204
12	„ 21– „ 27	10	294	15	350	10	254	8	261	10	252	4	163	9	255	8	222	6	177	6	131	11	193	7	126	8	170	0	20	9	213
13	Mar. 28–Apl. 3	9	303	10	360	1	255	0	261	0	252	0	163	2	257	2	224	0	177	0	131	10	203	8	134	4	174	0	20	3	216
14	Apl. 4– „ 10	24	327	26	386	8	263	1	262	3	255	0	163	8	265	14	238	4	181	0	131	15	218	6	140	8	182	0	20	8	224
15	„ 11– „ 17	12	339	14	400	1	264	0	262	0	255	0	163	3	268	6	244	0	181	0	131	3	221	0	140	2	184	0	20	2	226
16	„ 18– „ 24	11	350	15	415	5	269	3	265	2	257	0	163	5	273	8	252	2	183	0	131	10	231	2	142	4	188	0	20	5	231
17	Apl. 25–May 1	21	371	18	433	9	278	4	269	5	262	3	166	8	281	13	265	4	187	0	131	10	241	3	145	6	194	0	20	7	238
18	May 2– „ 8	10	381	10	443	2	280	1	270	1	263	0	166	3	284	3	268	0	187	0	131	0	241	0	145	1	195	0	20	2	240
19	„ 9– „ 15	6	387	10	453	0	280	0	270	0	263	0	166	2	286	1	269	0	187	0	131	0	241	0	145	0	195	0	20	1	241
20	„ 16– „ 22	0	387	0	453	0	280	0	270	0	263	0	166	0	286	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
21	May 23– „ 29	0	387	0	453	0	280	0	270	0	263	0	166	0	286	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
	Spring Totals	173		192		95		83		83		58		101		104		60		53		111		69		80		7		91	
22	May 30–June 5	0	387	0	453	0	280	0	270	0	263	0	166	0	286	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
23	June 6– „ 12	0	387	3	456	0	280	0	270	0	263	0	166	1	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
24	„ 13– „ 19	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
25	„ 20– „ 26	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
26	June 27–July 3	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
27	July 4– „ 10	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
28	„ 11– „ 17	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
29	„ 18– „ 24	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
30	July 25– „ 31	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20		241
31	Aug. 1–Aug. 7	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
32	„ 8– „ 14	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
33	„ 15– „ 21	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
34	Aug. 22– „ 28	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
	Summer Totals	0		3		0		0		0		0		1		0		0		0		0		0		0		0		0	
35	Aug. 29–Sept. 4	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
36	Sept. 5– „ 11	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
37	„ 12– „ 18	0	387	0	456	0	280	0	270	0	263	0	166	0	287	0	269	0	187	0	131	0	241	0	145	0	195	0	20	0	241
38	„ 19– „ 25	0	387	8	464	0	280	0	270	0	263	0	166	2	289	2	271	0	187	0	131	0	241	2	147	1	196	0	20	2	243
39	Sept. 26–Oct. 2	0	387	0	464	0	280	0	270	0	263	0	166	0	289	0	271	0	187	0	131	0	241	0	147	0	196	0	20	0	243
40	Oct. 3– „ 9	0	387	0	464	0	280	0	270	0	263	0	166	0	289	0	271	0	187	0	131	0	241	0	147	0	196	0	20	0	243
41	„ 10– „ 16	0	387	0	464	0	280	0	270	0	263	0	166	0	289	0	271	0	187	0	131	0	241	0	147	0	196	0	20	0	243
42	„ 17– „ 23	0	387	6	470	3	283	9	279	8	271	0	166	5	294	0	271	0	187	0	131	0	241	0	147	0	196	0	20	2	245
43	Oct. 24– „ 30	10	397	24	494	9	292	13	292	14	285	6	172	13	307	11	282	10	197	2	133	0	241	0	147	5	201	0	20	9	254
44	Oct. 31–Nov. 6	8	405	10	504	9	301	33	325	25	310	17	189	19	326	3	285	7	204	12	145	0	241	0	147	4	205	0	20	12	266
45	Nov. 7– „ 13	0	405	0	504	0	301	12	337	5	315	5	194	4	330	0	285	0	204	0	145	0	241	0	147	0	205	0	20	2	268
46	„ 14– „ 20	6	411	7	511	6	307	10	347	6	321	2	196	6	336	0	285	0	204	0	145	0	241	0	147	0	205	0	20	3	271
47	Nov. 21– „ 27	9	420	32	543	29	336	31	378	31	352	16	212	28	364	10	295	15	219	7	152	2	243	0	147	7	212	0	20	17	288
	Autumn Totals	33		87		56		108		89		46		77		26		32		21		2		2		17		0		47	
48	Nov. 28–Dec. 4	9	429	11	554	4	340	4	382	6	358	1	213	5	369	6	301	0	219	0	152	10	253	6	153	4	216	0	20	5	293
49	Dec. 5– „ 11	30	459	49	603	26	366	33	415	34	392	27	240	34	403	28	329	23	242	24	176	31	284	33	186	28	244	3	23	31	324
50	„ 12– „ 18	36	495	58	661	54	420	71	486	83	475	70	310	67	470	53	382	69	311	76	252	47	331	59	245	61	305	29	52	64	388
51	„ 19– „ 25	36	531	45	706	30	450	28	514	29	504	9	319	28	498	28	410	28	339	13	265	16	347	7	252	18	323	0	52	23	411
52	Dec. 26–Jan. 1	11	542	24	730	5	455	0	514	0	504	0	319	6	504	1	411	0	339	0	265	0	347	0	252	0	323	0	52	3	414

Note.—The method of computing Accumulated Temperature is explained in the Guide to the Tables of the Weekly Weather Report.

TABLE V.—SHOWING THE WEEKLY AND PROGRESSIVE NUMBERS OF HOURS OF BRIGHT SUNSHINE IN EACH DISTRICT REGISTERED DURING THE YEAR 1920.

1920.		0		Eastern Districts.										Western Districts.															
Weeks.		Scotland, N.		1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 Combined	
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.
	NUMBERS OF HOURS OF BRIGHT SUNSHINE—1920.																												
	1920.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.	Hrs.
1	Jan. 4–Jan. 10	5	5	5	5	10	10	13	13	9	9	13	13	10	10	6	6	5	5	15	15	5	5	11	11	8	8	17	17	9	9
2	,, 11– ,, 17	4	9	12	17	12	22	7	20	10	19	6	19	9	19	6	12	10	15	6	21	6	11	8	19	7	15	7	24	8	17
3	,, 18– ,, 24	7	16	14	31	14	36	10	30	9	28	10	29	11	30	14	26	11	26	12	33	14	25	16	35	13	28	16	40	12	29
4	Jan. 25– ,, 31	6	22	14	45	17	53	16	46	17	45	18	47	16	46	12	38	12	38	15	48	19	44	16	51	15	43	13	53	16	45
5	Feb. 1–Feb. 7	7	29	22	67	19	72	24	70	14	59	19	66	20	66	12	50	17	55	11	59	16	60	14	65	14	57	16	69	17	62
6	,, 8– ,, 14	13	42	19	86	14	86	13	83	10	69	13	79	14	80	11	61	11	66	11	70	11	71	12	77	11	68	14	83	12	74
7	,, 15– ,, 21	17	59	15	101	25	111	24	107	24	93	23	102	22	102	20	81	26	92	26	96	17	88	21	98	22	90	29	112	22	96
8	Feb. 22– ,, 28	10	69	27	128	27	138	27	134	20	113	27	129	26	128	11	92	18	110	22	118	18	106	15	113	17	107	34	146	22	118
	Winter Totals	96		180		177		172		151		166		169		137		150		167		150		169		154		197		162	
9	Feb. 29–Mar. 6	7	76	15	143	16	154	20	154	20	133	23	152	19	147	8	100	18	128	21	139	8	114	17	130	15	122	22	168	17	135
10	Mar. 7– ,, 13	20	96	27	170	28	182	28	182	25	158	28	180	27	174	24	124	26	154	33	172	31	145	33	163	29	151	33	201	28	163
11	,, 14– ,, 20	19	115	28	198	22	204	27	209	24	182	33	213	27	201	24	148	25	179	29	201	17	162	22	185	24	175	37	238	25	188
12	,, 21– ,, 27	26	141	35	233	41	245	48	257	35	217	38	251	39	240	14	162	26	205	21	225	23	185	15	200	20	195	35	273	30	218
13	Mar. 28–Apl. 3	26	167	6	239	6	251	26	283	11	228	23	274	14	254	8	170	6	211	12	237	29	214	32	232	17	212	26	299	15	233
14	Apl. 4–Apl. 10	30	197	22	261	8	259	10	293	5	233	14	288	12	266	20	190	5	216	13	250	23	237	15	247	15	227	30	329	14	247
15	,, 11– ,, 17	36	233	15	276	18	277	24	317	14	247	20	308	18	284	17	207	12	228	17	267	21	258	23	270	18	245	26	355	18	265
16	,, 18– ,, 24	32	265	36	312	23	300	23	340	20	267	21	329	25	309	22	229	24	252	27	294	22	280	24	294	24	269	36	391	24	289
17	Apl. 25–May 1	40	305	45	357	43	343	39	379	35	392	38	367	40	349	53	282	45	297	38	332	42	322	43	337	44	313	46	437	42	331
18	May 2–May 8	31	336	46	403	43	386	41	420	37	339	39	406	41	390	38	320	38	335	39	371	43	365	41	378	40	353	50	487	40	371
19	,, 9– ,, 15	45	381	49	452	60	446	70	490	52	391	59	465	58	448	37	357	45	380	46	417	42	407	48	426	44	397	41	528	51	422
20	,, 16– ,, 22	25	406	34	486	37	483	53	543	44	435	52	517	45	493	20	377	34	414	45	462	18	425	32	458	30	427	62	590	37	459
21	May 23– ,, 29	48	454	45	531	44	527	57	600	45	480	50	567	48	541	43	420	44	458	45	507	35	460	36	494	41	468	48	638	45	504
	Spring Totals	385		403		389		466		367		438		413		328		348		389		354		381		360		492		386	
22	May 30–June 5	18	472	29	560	43	570	39	639	43	523	50	617	41	582	37	457	44	502	57	564	37	497	51	545	45	513	65	703	43	547
23	June 6– ,, 12	77	549	63	623	57	627	62	701	47	570	55	672	57	639	73	530	60	562	51	615	63	560	59	604	61	574	56	759	59	606
24	,, 13– ,, 19	100	649	85	708	73	700	61	762	43	613	51	723	63	702	49	579	34	596	36	651	28	588	42	646	38	612	45	804	50	656
25	,, 20– ,, 26	33	682	39	747	38	738	47	809	36	649	51	774	42	744	28	607	31	627	39	690	28	616	29	675	31	643	59	863	37	693
26	June 27–July 3	49	731	36	783	32	770	46	855	22	671	30	804	33	777	21	628	20	647	15	705	31	647	25	700	22	665	28	891	27	720
27	July 4– ,, 10	45	776	25	808	20	790	27	882	16	687	21	825	22	799	27	655	22	669	26	731	30	677	32	732	27	692	33	924	25	745
28	July 11– ,, 17	25	801	29	837	30	820	53	935	29	716	53	878	39	838	26	681	26	695	32	763	23	700	26	758	27	719	46	970	33	778
29	,, 18– ,, 24	32	833	41	878	38	858	42	977	42	758	41	919	41	879	42	723	37	732	41	804	40	740	25	783	37	756	55	1025	39	817
30	July 25– ,, 31	26	859	30	908	31	889	32	1009	29	787	24	943	29	908	25	748	27	759	35	839	17	757	26	809	26	782	36	1061	28	845
31	Aug. 1–Aug. 7	37	896	46	954	31	920	33	1042	32	819	36	979	36	944	31	779	26	785	36	875	22	779	29	838	29	811	49	1110	33	878
32	,, 8– ,, 14	16	912	18	972	23	943	44	1086	24	843	50	1029	32	976	31	810	24	809	28	903	13	792	17	855	22	833	66	1176	27	905
33	,, 15– ,, 21	20	932	27	999	26	969	29	1115	31	874	36	1065	30	1006	30	840	25	834	25	928	21	813	26	881	25	858	33	1209	27	932
34	Aug. 22– ,, 28	23	955	33	1032	27	996	37	1152	26	900	34	1099	31	1037	42	882	33	867	38	966	36	849	34	915	37	895	47	1256	34	966
	Summer Totals	501		501		469		552		420		532		495		462		409		459		389		421		428		618		462	
35	Aug. 29–Sept. 4	30	985	21	1053	20	1016	11	1163	21	921	19	1118	18	1055	27	909	35	902	27	993	22	871	24	939	27	922	28	1284	22	988
36	Sept 5– ,, 11	23	1008	24	1077	24	1040	25	1188	26	947	31	1149	26	1081	23	932	16	918	26	1019	17	888	22	961	21	943	41	1325	24	1012
37	,, 12– ,, 18	29	1037	18	1095	25	1065	29	1217	26	973	29	1178	25	1106	30	962	28	946	33	1052	32	920	34	995	31	974	42	1367	28	1040
38	,, 19– ,, 25	29	1066	41	1136	31	1096	26	1243	24	997	24	1202	29	1135	34	996	45	991	43	1095	36	956	44	1039	41	1015	32	1399	35	1075
39	Sept 26–Oct. 2	22	1088	21	1157	25	1121	34	1277	22	1019	29	1231	26	1161	24	1020	31	1022	22	1117	23	979	21	1060	24	1039	31	1430	25	1100
40	Oct. 3– ,, 9	17	1105	21	1178	25	1146	38	1315	20	1039	31	1262	27	1188	16	1036	24	1046	23	1140	15	994	26	1086	21	1060	18	1448	24	1124
41	,, 10– ,, 16	25	1130	18	1196	18	1164	29	1344	15	1054	25	1287	21	1209	17	1053	27	1073	16	1156	11	1005	13	1099	17	1077	36	1484	19	1143
42	,, 17– ,, 23	13	1143	17	1213	22	1186	40	1384	17	1071	27	1314	25	1234	8	1061	21	1094	20	1176	19	1024	18	1117	17	1094	16	1500	21	1164
43	Oct. 24– ,, 30	26	1169	31	1244	36	1222	51	1435	26	1097	50	1364	39	1273	22	1083	47	1141	40	1216	35	1059	24	1141	33	1127	52	1552	36	1200
44	Oct. 31–Nov. 6	7	1176	11	1255	8	1230	22	1457	8	1105	17	1381	13	1286	6	1089	14	1155	17	1233	5	1064	15	1156	11	1138	17	1569	12	1212
45	Nov. 7– ,, 13	6	1182	17	1272	16	1246	17	1474	13	1118	10	1391	15	1301	9	1098	10	1165	13	1246	7	1071	8	1164	10	1148	23	1592	13	1225
46	,, 14– ,, 20	4	1186	15	1287	16	1262	22	1496	14	1132	24	1415	18	1319	5	1103	14	1179	15	1261	4	1075	11	1175	10	1158	25	1617	14	1239
47	Nov. 21– ,, 27	8	1194	15	1302	14	1276	27	1523	8	1140	24	1439	18	1337	7	1110	21	1200	17	1278	11	1086	12	1187	14	1172	22	1639	16	1255
	Autumn Totals	239		270		280		371		240		340		300		228		333		312		237		272		277		383		289	
48	Nov. 28–Dec. 4	4	1198	12	1314	6	1282	8	1531	8	1148	7	1446	8	1345	9	1119	10	1210	12	1290	15	1101	13	1200	12	1184	13	1652	10	1265
49	Dec. 5–Dec. 11	1	1199	14	1328	9	1291	5	1536	7	1155	7	1453	8	1353	8	1127	12	1222	13	1303	14	1115	13	1213	12	1196	13	1665	10	1275
50	,, 12– ,, 18	5	1204	8	1336	3	1294	1	1537	5	1160	3	1456	4	1357	2	1129	8	1230	15	1318	14	1129	17	1230	11	1207	6	1671	7	1282
51	,, 19– ,, 25	1	1205	12	1348	9	1303	8	1545	5	1165	8	1464	8	1365	5	1134	7	1237	7	1325	6	1135	5	1235	6	1213	6	1677	7	1289
52	Dec. 26–Jan. 1	2	1207	9	1357	6	1309	8	1553	6	1171	8	1472	7	1372	5	1139	6	1243	5	1330	6	1141	11	1246	7	1220	5	1682	7	1296

NOTE.—The Duration of Bright Sunshine is taken from the records of the Campbell-Stokes Sunshine Recorder.

TABLE VI.—SHOWING FOR THE YEAR 1920 THE WEEKLY AND PROGRESSIVE VALUES OF **BRIGHT SUNSHINE** IN EACH DISTRICT EXPRESSED AS **PERCENTAGES** OF THE **POSSIBLE DURATION.**

1920.		0 Scotland, N.		Eastern Districts. 1. Scotland, E.		2. England, N.E.		3. England, E.		4. Midland Counties.		5. England, S.E.		Means for Eastern Districts.		Western Districts. 6. Scotland, W.		7. England, N.W. and North Wales.		8. South Wales and England, S.W.		9. Ireland, N.		10. Ireland, S.		Means for Western Districts.		11. English Channel.		Means for Districts 1-10 Combined.	
Weeks.																													
No. of Week.	Limiting Dates of each Week.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1920.	For the Week.	From Jan. 4, 1921.
		PERCENTAGES OF POSSIBLE DURATION OF BRIGHT SUNSHINE—1920.																											
		%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%	%
1	Jan. 4–Jan. 10	11	11	10	10	20	20	23	17	17	23	23	19	19	13	13	7	10	28	28	9	9	20	20	15	15	30	30	17	17
2	,, 11– ,, 17	8	9	23	17	23	21	13	18	12	17	11	17	18	18	11	12	18	13	11	19	12	10	14	17	13	14	12	21	16	16
3	,, 18– ,, 24	13	10	27	20	25	22	17	18	16	17	16	17	20	19	26	17	20	16	21	20	25	16	27	21	24	18	27	23	22	19
4	Jan. 25– ,, 31	12	11	26	22	20	24	27	20	29	20	29	20	26	21	21	18	20	17	24	21	32	20	26	22	25	20	21	23	25	20
5	Feb 1–Feb. 7	12	11	37	25	31	26	30	24	23	21	30	22	31	24	20	18	28	19	17	20	27	22	23	22	23	20	25	23	27	22
6	,, 8– ,, 14	22	13	31	26	22	25	20	23	16	20	20	22	22	23	17	18	17	19	17	20	17	21	18	22	17	20	21	23	20	22
7	,, 15– ,, 21	26	15	23	26	36	27	34	25	36	22	33	24	32	25	30	20	39	22	37	22	25	22	31	23	32	22	41	26	32	23
8	Feb. 22– ,, 28	15	15	38	28	38	29	38	27	27	28	37	26	35	26	15	19	26	23	30	23	25	22	21	23	23	22	47	29	29	24
	Winter percentages	14		25		23		21		19		21		22		19		19		21		20		22		20		24		21	
9	Feb. 29–Mar. 6	10	14	20	27	21	28	27	27	27	24	30	26	25	26	11	18	24	23	28	24	10	20	22	23	19	21	28	29	22	24
10	Mar. 7– ,, 13	25	16	35	28	35	28	35	28	32	25	35	27	34	27	31	20	33	24	41	26	40	23	42	25	37	24	42	30	35	25
11	,, 14– ,, 20	23	17	34	28	27	28	32	28	29	25	40	29	32	28	29	21	30	25	35	27	21	23	26	25	28	24	44	32	30	26
12	,, 21– ,, 27	30	18	42	30	47	30	56	31	41	27	45	30	46	29	17	20	31	25	20	27	27	23	18	24	24	24	41	33	35	27
13	Mar. 28–Apl. 3	29	19	6	27	10	28	29	31	12	25	26	30	17	28	9	19	7	24	13	26	33	24	36	26	19	24	30	32	18	26
14	Apl. 4– ,, 10	32	20	23	27	9	26	11	29	6	23	16	29	13	27	22	20	6	22	15	25	25	24	17	25	17	23	32	33	15	25
15	,, 11– ,, 17	37	22	16	26	18	26	25	29	15	23	21	28	19	26	18	19	13	21	18	24	22	24	24	25	19	22	28	32	19	24
16	,, 18– ,, 24	31	23	35	27	23	25	24	29	20	23	22	27	25	26	22	20	24	21	28	24	23	24	24	25	24	23	37	32	25	24
17	Apl. 25–May 1	35	24	43	28	42	27	38	29	34	24	38	28	39	27	51	22	43	23	38	26	40	25	42	26	43	24	46	33	41	26
18	May 2– ,, 8	27	24	42	29	40	28	39	30	35	24	38	29	39	28	35	23	35	24	37	27	40	26	39	27	37	25	48	35	38	26
19	,, 9– ,, 15	40	26	44	30	55	30	65	32	48	26	55	31	53	30	33	24	42	25	44	28	39	27	45	28	41	26	39	35	47	28
20	,, 16– ,, 22	22	25	30	30	33	30	48	33	40	27	48	32	40	30	18	23	31	26	41	29	16	26	29	28	27	26	58	37	33	28
21	May 23– ,, 29	39	26	38	31	39	30	51	35	40	28	45	33	42	31	37	24	38	27	40	29	30	27	32	28	35	27	43	37	39	29
	Spring percentages	29		31		31		37		29		35		33		25		27		31		28		30		28		40		31	
22	May 30–June 5	14	26	25	31	37	31	34	34	37	28	45	33	36	31	32	25	38	27	51	31	31	27	45	29	37	28	58	38	36	30
23	June 6– ,, 12	61	28	51	32	48	32	54	36	40	29	48	34	48	33	61	27	51	29	44	31	53	29	51	31	52	29	50	39	50	31
24	,, 13– ,, 19	78	31	68	34	62	34	53	37	37	30	44	35	53	34	40	28	29	29	32	31	24	28	36	31	32	29	39	39	43	31
25	,, 20– ,, 26	25	30	32	34	32	34	38	37	31	30	44	35	35	34	23	28	26	29	33	31	24	28	23	31	26	29	52	40	30	32
26	June 27–July 3	39	31	29	34	27	33	40	37	19	29	26	35	28	33	17	27	16	28	13	31	26	28	22	30	19	29	25	39	24	31
27	July 4– ,, 10	35	31	21	33	17	32	23	36	14	28	18	34	18	33	23	27	18	27	23	30	25	28	28	30	23	28	29	38	20	30
28	,, 11– ,, 17	20	31	24	32	26	32	46	37	25	28	46	35	32	33	22	27	22	27	28	30	19	27	23	30	23	28	41	39	28	31
29	,, 18– ,, 24	26	31	35	33	33	32	37	37	37	29	37	35	36	33	37	27	32	27	36	30	34	28	22	29	32	28	50	39	34	30
30	July 25– ,, 31	22	30	26	32	28	32	29	36	26	28	22	34	26	32	22	27	24	27	32	30	15	27	23	29	23	28	33	39	24	30
31	Aug. 1–Aug. 7	33	30	41	33	28	32	31	36	29	28	34	34	33	32	28	27	24	27	34	31	20	27	21	29	25	28	46	39	29	30
32	,, 8– ,, 14	15	30	16	32	22	31	42	36	23	28	48	35	30	32	29	27	22	27	27	30	12	26	16	29	25	28	64	40	28	30
33	,, 15– ,, 21	19	29	25	32	25	31	28	36	30	28	35	35	28	32	20	27	24	27	24	30	20	26	25	29	24	28	33	40	26	30
34	Aug. 22– ,, 28	22	29	33	32	28	31	37	36	26	28	35	35	32	32	42	27	34	27	39	30	36	26	35	29	37	28	48	40	34	30
	Summer percentages	31		33		32		38		29		37		34		31		28		32		26		28		29		44		31	
35	Aug. 29–Sept. 4	30	29	21	32	21	30	11	35	22	28	20	34	19	32	28	27	35	27	28	30	22	26	25	29	27	28	29	40	23	30
36	Sept. 5– ,, 11	21	29	25	31	26	31	27	35	28	28	33	34	28	32	24	27	17	27	28	30	18	26	24	28	22	28	44	40	25	30
37	,, 12– ,, 18	32	29	20	31	28	31	32	35	29	28	33	34	28	32	33	27	32	27	37	30	36	26	37	29	35	28	47	40	32	30
38	,, 19– ,, 25	33	29	47	31	36	31	30	35	27	28	28	34	34	32	39	28	52	28	49	31	42	27	51	29	47	28	37	40	40	30
39	Sept 26–Oct. 2	26	29	25	31	30	31	41	35	26	28	35	34	31	32	29	28	37	28	26	31	28	27	26	29	29	29	37	40	30	31
40	Oct 3– ,, 9	22	29	27	31	31	31	48	35	25	28	38	34	34	32	20	28	31	28	29	31	19	27	33	29	26	28	23	39	30	30
41	,, 10– ,, 16	34	29	24	31	23	31	38	35	19	28	33	34	27	32	22	28	35	28	21	31	14	26	17	29	22	28	46	40	25	30
42	,, 17– ,, 23	19	29	24	31	31	31	54	36	22	28	36	34	33	32	11	27	28	28	27	31	27	26	24	29	23	28	22	39	28	30
43	Oct. 24– ,, 30	39	29	46	31	52	31	73	37	37	28	70	35	55	32	32	27	67	29	57	31	50	27	35	29	48	28	72	40	51	30
44	Oct. 31–Nov. 6	12	29	17	31	12	31	32	36	12	28	25	35	20	32	9	27	20	29	25	31	7	26	22	29	16	28	25	40	18	30
45	Nov. 7– ,, 13	10	29	28	31	25	31	26	36	20	27	16	34	23	32	15	27	16	28	20	31	12	26	13	29	15	28	35	40	19	30
46	,, 14– ,, 20	8	28	26	31	27	30	35	36	23	27	39	34	30	32	9	27	23	28	25	31	6	26	18	28	16	28	39	40	23	30
47	Nov. 21– ,, 27	14	28	27	31	24	30	47	36	13	27	39	35	30	32	12	26	36	29	28	31	19	26	20	28	23	28	38	39	27	30
	Autumn percentages	23		27		33		38		23		34		31		23		33		31		23		27		27		38		29	
48	Nov 28–Dec. 4	9	28	23	31	11	30	14	35	15	27	12	34	14	31	16	26	18	28	21	31	27	26	23	28	21	28	22	39	17	29
49	Dec. 5– ,, 11	3	28	29	31	16	30	10	36	12	27	13	34	16	31	16	26	21	28	23	30	26	26	24	28	22	28	22	39	19	30
50	,, 12– ,, 18	12	27	18	30	5	30	2	35	9	27	5	34	8	31	4	26	16	28	26	30	28	26	31	28	21	27	10	39	15	29
51	,, 19– ,, 25	1	27	25	30	18	30	14	35	9	26	15	33	16	31	11	26	14	28	13	30	13	26	10	28	12	28	10	38	14	29
52	Dec. 26–Jan. 1	4	27	18	30	11	29	15	35	12	26	14	33	14	31	10	26	12	28	8	30	12	26	21	28	13	27	9	38	13	29

Meteorological Office,
South Kensington, London, S.W.7.

August 22nd, 1921.